

INDEX TO VOLUME 40

The asterisk (*) preceding the page number indicates an original article in the Archives. Subject entries are made for all articles. Author entries are made for original articles and society transactions. Book Reviews, Obituaries and Society Transactions are indexed under these headings in their alphabetical order under the letters B, O and S, respectively.

Abnormalities and Deformities: See Acrocephaly; Monsters; Twins; and under names of diseases, organs and regions, as Brain, pathology; Corpus Callosum; Cranium; etc.

Abscess: See under names of organs and regions, i. e., Brain; Cerebellum; Dura Mater; etc.

Accommodation: See Eyes, accommodation and refraction

Acetyl-Beta-Methylcholine: See Choline and Choline Derivatives

Acetylcholine: See Choline and Choline Derivatives

Achlorhydria: See Stomach, acidity

Acid, Cevitamic: See Vitamins, C

creatine-phosphoric; carbohydrate metabolism of brain; effect of certain narcotics and convulsant drugs on carbohydrate and phosphocreatine content of rabbit brain, 164

pyruvic, metabolism in vitamin B₁ deficiency and in inanition, 1028

Acid-Base Equilibrium: See also Acidosis; Cerebrospinal Fluid; Hydrogen Ion Concentration role of anoxia in production of epileptiform seizures, 817

Acidosis; studies in diseases of muscle; effect of ketosis and of ingestion of creatine in myotonia congenita, *1135

Acrocephaly; oxycephaly; new operation and its results; preliminary report, *1205

Acrocyanosis: See Cyanosis

Adenoma, adrenal cortical adenoma with absence of opposite adrenal, 176

chromophobe, of pituitary associated with Cushing's syndrome, 1036

hyperinsulinism, 177

Adie Syndrome: See Reflex, pupillary

Adler, A.: Clinical results with Elsberg's olfactory test, *147

Adolescence, drama as therapeutic measure in treatment of adolescent behavior problems, 405

precocious puberty following encephalitis, 1035

precocious puberty; pubertas praecox (macro-genitosomia), 179

Adrenal Preparations, pressor effect of prolonged administration of glycerin extract of adrenal cortex, 1263

use of adrenal cortex preparations in treatment of asthenia, 383

Adrenals; adrenal cortical adenoma with absence of opposite adrenal, 176

treatment of essential hypertension and diabetes mellitus by irradiation of pituitary and adrenal regions, 383

Age, Old: See Old Age

Air, onset and course of epidemic meningitis as related to fluctuations in temperature and barometric pressure, 823

Akinesia: See Movements

Alcohol, nature of tolerance to ethyl alcohol, 571

speed with which various parts of body reach equilibrium in storage of ethyl alcohol, 1028

Alcoholism: See also Korsakoff Syndrome

cevitamic acid content of blood plasma in alcoholic psychoses, *58

chronic, deficiency syndromes associated with, 175

Alcoholism—Continued

chronic, psychodynamics of, 576

chronic, treatment with benzedrine; preliminary report, 1051

insulin therapy in acute alcoholic psychoses; study of 9 successive cases of alcoholic psychoses treated with insulin, 386

personality studies in alcoholic women, 576

psychological factors in, 371

relation to dementia paralytica, 193

Alexander, L.: Cevitamic acid content of blood plasma in alcoholic psychoses, *58

Histologic changes in senile dementia and related conditions studied by silver impregnation and microincineration, *1075

New modifications of benzidine stain for study of vascular pattern of central nervous system, *158

Physicochemical properties of brain, especially in senile dementia and cerebral edema; differential ratio of skull capacity to volume, specific weight, water content, water-binding capacity and pH of brain, *877

Allan, W.: Familial occurrence of tic douloureux, *1019

Alleman, F.: Heredofamilial degeneration of cerebellum; clinical and genealogic report on family, 1301

Allergy: See Anaphylaxis and Allergy

Alpers, B. J.: Relation of histologic to clinical features of abscess of brain, 1303

Amaurosis: See Blindness

Amblyopia: See Blindness

Amentia: See Feeble-mindedness; Insanity; Mental Diseases; etc.

Amyotonia: See Myatonia

Amyotrophy: See Atrophy, muscular

Analgesia: See Anesthesia

Anaphylaxis and Allergy: See also Asthma; etc.

epilepsy of allergic origin, 587

Anemia, acute, effects on nerve activity, 613

new syndrome apparently due to overactivity of posterior pituitary, 382

Anencephaly: See Monsters

Anesthesia, procaine; sciatica and its treatment with reference to epidural injection (of procaine hydrochloride), 1041

technic of somnifaine narcosis, 837

Anesthetics: See Anesthesia

Aneurysm, small aneurysm completely obstructing lower end of aqueduct of Sylvius, *1241

Angioma, cerebral angioma arteriale; case in which migrainous headache was earliest manifestation, *1220

Anomalies: See Acrocephaly; Monsters; and under names of organs and regions, as Brain, pathology; Corpus Callosum; Cranium; etc.

Anosognosia: See Perception

Anoxemia: See Oxygen, deficiency

Anoxia: See Oxygen, deficiency

Apoplexy: See Brain, hemorrhage

Apparatus: See also Instruments

method of testing cortical function and sensitivity of skin; aid in differentiating organogenic and psychogenic disturbances, *79

Aqueduct of Sylvius: See Brain, pathology

Arachnoid, traumatic arachnoiditis, 824

Arachnoiditis: See under Arachnoid

Arsphenamines: See also under Syphilis

disseminated areas of necrosis in brain following intravenous injection of neoarsphenamine, 573

Art, clinical observations on schizophrenic drawings, 373

INDEX TO VOLUME 40

- Arteries: See also Aneurysm; Blood pressure; Embolism; Pulse; Thrombosis; Vasomotor System; etc.
- Cerebral: See Brain, blood supply
- inflammation; recurring, transitory hemianopia from cortical and retinal angiospasm, occurring at menstrual period in patient with syphilitic arteritis and hypertension, 393
- pathologic lesions in optic thalamus; simultaneous softening of several vascular regions (especially that of choroid artery) and malacias of indeterminate thalamic vascular regions; cortical and suprachiasmatic malacias with thalamic symptomatology, 189
- Retinal: See Retina, blood supply
- Arteritis: See Arteries, inflammation
- Arthritis, tuberculous; does operative fusion of tuberculous joints produce tuberculous meningitis? 375
- Asthenia, use of adrenal cortex preparations in treatment of, 383
- Asthma: See also Anaphylaxis and Allergy psychogenic factor in, 373
- Astrocytomas, 572
- Ataxia, cerebellar ataxic form of Heine-Medin disease, 602
- Friedreich's, with mental symptoms in members of same family; 4 cases, 381
- Athetosis and pallidus deficiency, *789
- encephalographic findings in cases of athetosis and related disorders, *18
- Athletics, paralysis of thoracic nerve associated with lesion of sympathetic nervous system resulting from trauma during sports, 832
- Atrophy: See also under names of organs and regions
- association of trauma with progressive muscular atrophy, 829
- Muscular: See also Dystrophy, muscular
- muscular; apparent myopathic amyotrophy in 2 univertelline female twins, 1043
- muscular; origin of fibrillary muscle twitches in cases of spinal amyotrophies, 1043
- studies in diseases of muscle; metabolism of creatine and creatinine in muscular wasting subsequent to disease of nervous system, *663
- studies in diseases of muscle; progressive peroneal muscular atrophy; report on family with study of heredity and of metabolism of creatine and creatinine, *911
- unilateral; case of idiopathic hemiatrophy (humero-scapulothoracic type) with anemic and telangiectatic nevi and heterochromia of iris, 1043
- Autohemotherapy: See Serotherapy and Hemotherapy
- Avitaminoses: See under Vitamins
- Axons: See Neurons
- Bacilli:** See Bacteria
- Backache, hypertrophy of ligamenta flava as cause of low back pain, 380
- low back pain due to herniation or rupture of intervertebral disk into spinal canal, 1270
- pain low in back and "sciatica" due to lesions of intervertebral disks, 1270
- Bacteria: See also Meningococci; Streptococci; etc.
- mucosus capsulatus group; meningitis with Friedländer's bacillus, 377
- Barbital and Barbital Derivatives, antidotal treatment of barbiturate intoxication; report of treatment with picrotoxin in 6 cases, 620
- Bardet-Laurence-Biedl Syndrome: See Laurence-Biedl Syndrome
- Barnes, M. R.: Mentality of dispensary epileptic patients, *903
- Barré-Guillain Syndrome: See Nerves, roots
- Basedow's Disease: See Goiter, exophthalmic
- Basophilism: See under Pituitary Body
- Basophils: See Pituitary Body
- Behavior, Children's: See under Children
- Bell's Palsy: See Paralysis, facial
- Bennett, A. E.: Evaluation of artificial fever therapy for neuropsychiatric disorders, *1141
- Benzedrine sulfate as brain stimulant, 391
- sulfate, temporary use of therapeutic doses in 147 supposedly normal young men (medical students), 596
- Benzidine: See Stains and Staining
- Berger Rhythm: See Brain, physiology
- Beriberi, therapeutic use of vitamin B₁ in polyneuritis and cardiovascular conditions; clinical indications, 835
- Biedl-Laurence Syndrome: See Laurence-Biedl Syndrome
- Blemond Syndrome: See Laurence-Biedl Syndrome
- Birth Injuries: See Infants, newborn
- Bishop, G. H.: Margins of optically excitable cortex in rabbit, *482
- Bladder: See also Urinary Tract
- cystometric observations in asymptomatic neurosyphilis, 586
- Sphincter: See Sphincter Muscles
- vesical abnormalities associated with parkinsonian syndrome, *44
- Blalock, J. R.: Metabolic studies during insulin hypoglycemia therapy of psychoses, *116
- Bleckwenn, W. J.: Antidotal treatment of barbiturate intoxication; report of treatment with picrotoxin in 6 cases, 620
- Blindness: See also Vision
- acute amaurotic epilepsy in *Macacus rhesus*, *521
- adult form of familial amaurotic idiosyncrasy with cerebellar and extrapyramidal signs and without amaurosis, 1257
- loss of vision in cases of glioma associated with severe hydrocephalus and subarachnoid metastases, 1266
- of hypophyseal origin; 4 cases of adipsogenital syndrome with retinal degeneration and mental backwardness, 392
- Blood: See also Erythrocytes
- bromide investigations in psychotic epileptics, 826
- cevitamic acid content of blood plasma in alcoholic psychoses, *58
- Diseases: See Anemia; Leukemia; etc.
- electrolytes in nutritional muscular dystrophy in rabbits, 841
- pressure and pulse rate as index of emotional stability, 1268
- pressure, high; emotional factors in hypertension, 401
- pressure, high; new syndrome apparently due to overactivity of posterior pituitary, 382
- pressure, high; pressor effect of prolonged administration of glycerin extract of adrenal cortex, 1263
- pressure, high; treatment of essential hypertension and diabetes mellitus by irradiation of pituitary and adrenal regions, 383
- pressure; recurring, transitory hemianopia from cortical and retinal angiospasm, occurring at menstrual period in patient with syphilitic arteritis and hypertension, 393
- sugar; effect of hypoglycemia on metabolism of brain, 571
- sugar; effects of hypoglycemia and anoxia on central nervous system; basis for rational therapy of schizophrenia, *125
- sugar; hypoglycemia as cause of seizures in general paralysis, 173
- transfusion; death during blood transfusion as result of intracranial hemorrhage, 572
- transfusion; investigations on intoxication theory in dementia praecox with reference to attempts at total transfusion, 1265
- Bloomberg, W.: Treatment of chronic alcoholism with benzedrine; preliminary report, 1051
- van Bogaert, L.: Acute amaurotic epilepsy in *Macacus rhesus*, *521
- Bones, marrow; existence of hematopoietic hormone in hypophysis, 1037

INDEX TO VOLUME 40

BOOK REVIEWS:

- Etiology of Mental Deficiency with Special Reference to Its Occurrence in Twins; A. J. Rosanoff, L. M. Handy and I. R. Plesset, 221
- Handbuch der Neurologie: Vol. 2 and 7; edited by O. Bumke and O. Foerster, 224
- Handbuch der Neurologie: Vol. 11, 14, 15 and 16; edited by O. Bumke and O. Foerster, 225
- Insulin Shockbehandlung der Schizophrenie; A. von Braumühl, 855
- Irradiation autonomer Reflexe: Untersuchungen zur Funktion des autonomen Nervensystems; A. Schweitzer, 223
- Krämpfe in Kindesalter; H. Bischoff, 226
- Mentally Ill in America; A. Deutsch, 855
- Pediatrician in Search of Mental Hygiene; B. Crothers, 222
- Primate Thalamus; A. E. Walker, 1065
- Report of Assistance of Indigent Patients Suffering with Epilepsy, 638
- Safeguarding Mental Health; R. C. McCarthy, 856
- Surgery of Sympathetic Nervous System; G. E. Gask and J. P. Ross, 223
- Tumeurs intracranienues; H. Cushing, 224
- Brain: See also Cerebellum; Corpus Callosum; Corpus Striatum; Dura Mater; Hypothalamus; Lenticular Nucleus; Medulla Oblongata; Meninges; Nervous System; Pons Varoli; Thalamus; etc.
- abscess, method of draining, 594
- abscess, prognosis for, 603
- abscess, relation of histologic to clinical features of, 1303
- activation of mechanisms for heat loss by local heating of brain, 404
- alterations in visual function in cases of lesion of left occipital lobe, 394
- anoxia and neural metabolism, *985
- biopsy studies of cerebral pathologic changes in schizophrenia and manic-depressive psychosis, *227
- blood supply; intracerebral blood flow; experimental study, *291
- blood supply; vascular reactions of brain in course of solid and gaseous embolisms; experimental study on cerebral vascular spasms, 370
- carbohydrate metabolism; effect of certain narcotics and convulsant drugs on carbohydrate and phosphocreatine content of rabbit brain, 164
- cerebral angioma arteriale; case in which migrainous headache was earliest manifestation, *1220
- cerebral cortex in man; cerebral cortex and consciousness, *417
- cerebral fat embolism resulting from minor injury to lower extremities, 1059
- cerebral impaludation, *707
- changes in accidental electrocution, 573
- chemical studies on neuroproteins; indication for sex differences in amino-acid composition of primate brain proteins, 164
- chiasmal syndromes produced by lesions in posterior fossa, 843
- dangerous effects of thorotrast used intracranially with reference to experimental production of hydrocephalus, *86
- difficulty in spelling and cerebral dominance, 625
- Diseases: See also Encephalitis; Insanity; Mental Diseases; etc.
- diseases; lesion in red nucleus, 370
- diseases; syndrome associated with "frontal akinesia," 1259
- disseminated areas of necrosis following intravenous injection of neoarsphenamine, 573
- disturbance of body scheme, 825
- effect of hypoglycemia on metabolism of, 571
- efferent fibers of Edinger-Westphal nucleus, 1249
- embryology; studies on existence of paraphysis in mammalian embryos, 1252
- ependymal streaks and accessory cavities in human occipital lobe, 815

Brain—Continued

- experimental investigation of red nucleus, Monakow's tract, central tegmental tract, etc., in rabbits, 1253
- experimental study of macular representation in monkey, *981
- extrapyramidal action from cat's cerebral cortex; motor and inhibitory, 1030
- fat in infant brain in relation to myelin, blood vessels and glia, 817
- hemorrhage; pathology of apoplexy, 167
- herniation not heretofore described, *803
- histological changes produced in mammalian brain by exposure to radium, 369
- histopathologic nature and pathogenesis of cerebral changes following delayed death from hanging, 371
- Inflammation: See Encephalitis
- Injuries: See also Head, injuries; etc.
- injuries; reduction of intracranial pressure in cerebral injury by intravenous use of hypertonic sucrose solution, 591
- intercellular substance of cerebral cortex (Nissl's cerebral gray matter); physiologic significance, *313
- iron, copper and manganese content of human brain, 164
- late damage from roentgen irradiation of human brain, *928
- lesions in dogs with Eck fistula, 168
- localization of cerebral cortical lesions by electroencephalographic examination, 623
- localization of function; experimental study of optic tracts and retinal projection of Virginia opossum, 1025
- localization of function; forced circling movements in monkeys following lesions of frontal lobes, 1030
- localization of function; function of brain in auditory localization; effect of cortical operation upon original learning, 1026
- localization of function; function of brain in auditory localization; postoperative solution of auditory spatial problem, 1026
- localization of function; functional organization in sensory cortex of monkey (Macaca mulatta), 819
- localization of function; further investigation of auditory cerebral mechanisms, 1025
- localization of function; localization within cerebellum of reactions to faradic cerebellar stimulation, 186
- localization of function; mechanism of vision: cerebral function in discrimination of brightness when detail vision is controlled, 1027
- localization of function; relation of motor area of primates to hyporeflexia ("spinal shock") of spinal transection, 364
- loss of vision in cases of glioma associated with severe hydrocephalus and subarachnoid metastases, 1266
- margins of optically excitable cortex in rabbit, *482
- method of testing cortical function and sensitivity of skin; aid in differentiating organic and psychogenic disturbances, *79
- modification of spontaneous cortical activity by sensory stimuli, 614
- modifications in technic for use of Horsley-Clarke stereotaxic instrument, *563
- obsessive ruminative tendencies following interruption of frontal association pathways, 202
- optomotor reactions of cats after extirpation of neocortex, 1032
- pathologic lesions in optic thalamus; relation of sensory and anosognostic disturbances to thalamic foci; comparison with corresponding phenomena associated with supratthalamic and cortical foci, 189
- pathology; absence of septum pellucidum as only anomaly in brain; report of case, *1244
- pathology; ocular disturbances associated with experimental lesions of mesencephalic central gray matter, 842

INDEX TO VOLUME 40

Brain—Continued

- pathology; small aneurysm completely obstructing lower end of aqueduct of Sylvius, *1241
- pathology; status marmoratus of cerebral cortex, 166
- phosphorus content of rat brain in experimental rickets, 164
- physicochemical properties of brain, especially in senile dementia and cerebral edema; differential ratio of skull capacity to volume, specific weight, water content, water-binding capacity and pH of brain, *877
- physiology; bioelectric activity of cerebral cortex during normal sleep and during narcosis induced by hypnotics, 1033
- physiology; effect of artificially raised metabolic rate on electroencephalogram of schizophrenic patients, 570
- physiology; effect of pyocyanine on metabolism of cerebral cortex, 1028
- physiology; electroencephalogram in bromide intoxication, *922
- physiology; electroencephalogram of schizophrenics during insulin hypoglycemia and recovery, 570
- physiology; epilepsy; paroxysmal cerebral dysrhythmia, 1258
- physiology; form of cerebral changes in potential, 1253
- physiology; human electroencephalogram, 366, 1033
- physiology; oscillographic study of cerebello-cerebral relationships, 1029
- physiology; potentials during sleep, 570
- physiology; vestibulocerebral pathways, 364
- recurring, transitory hemianopia from cortical and retinal angiospasm, occurring at menstrual period in patient with syphilitic arteritis and hypertension, 393
- removal of right or left frontal lobes in man, 572
- representation of respiratory movements in cerebral cortex, 819
- roentgenography; closed ventriculography, 1045
- roentgenography; encephalographic findings in cases of athetosis and related disorders, *18
- roentgenography; statistics on 1,061 patients on whom encephalographic and ventriculographic studies were made, 608
- so-called grape-like degeneration in brain tissue, 616
- somnolence produced by electrical currents in, 1274
- spontaneous production of electrical potentials in cerebral cortex in waking and resting states, 1033
- surgery; water balance in neurosurgical patients, 1262
- tentorial pressure cone, *857
- tumor with normal encephalogram, 1044
- tumors; astrocytomas, 572
- tumors; clinical results with Elsberg's olfactory test, *147
- tumors, effect of intravenous injection of hypertonic dextrose solution on spinal fluid pressure in cases of, 591
- tumors, mechanism of death in certain cases of, 173
- tumors; meningioma of lateral ventricle; report of 2 cases, *997
- tumors; mental symptoms associated with tumor of brain; study of 530 verified cases, 826
- tumors; normal ventriculograms in tumors of cerebral hemispheres, 1045
- tumors; pneumographic study of tumors of lateral ventricle, 1046
- tumors; quantitative olfactory tests; value in localization and diagnosis of tumors of brain with analysis of results in 300 patients, *471
- value of percussion of skull in localization of gross cerebral lesions, 612
- Brink, F. Jr.: Influence of chemical agents on properties of nerve tissue; effects of arterial block on human ulnar nerve, 615
- Influence of chemical agents on properties of nerve tissue; functional properties of human nerves and their dependence on chemical environment, 615
- Influence of chemical agents on properties of nerve tissue; modes of activity of peripheral axons, 615
- Bromide and Bromine, blood bromide investigations in psychotic epileptics, 826
- electroencephalogram in bromide intoxication, *922
- mental disturbances due to bromide intoxication, 372
- Bronk, D. W.: Effects of acute anemia on nerve activity, 613
- Influence of chemical agents on properties of nerve tissue; modes of activity of peripheral axons, 615
- Brown, C. L.: Psychopathic personality; point of view of law, 845
- Brown, M. R.: Etiologic study of Landry's original case of acute ascending paralysis, *800
- Bucy, P. C.: Studies on human neuromuscular mechanism; effect of ventromedial chordotomy on muscular spasticity in man, *639
- Cachexia, Pituitary: See under Pituitary Body
- Calcium deposits in nerve cells of white rats after injections of urea and cholesterol, 394
- Campbell, Alfred Walter, 566
- Cancer: See also Tumors; etc.; and under names of organs and regions
- subarachnoid injection of alcohol for relief of intractable pain with discussion of cord changes found at autopsy, 593
- Car Sickness, psychiatric study in children, 820
- Carbohydrates: See also Dextrose; etc.
- biological assay of carbohydrate metabolism hormone of anterior pituitary, 1253
- metabolism following irradiation of pituitary gland, 178
- metabolism of brain; effect of certain narcotics and convulsant drugs on carbohydrate and phosphocreatine content of rabbit brain, 164
- new syndrome apparently due to overactivity of posterior pituitary, 382
- Carbon Disulfide poisoning with report of 6 cases, 1295
- Carbon Monoxide poisoning, significance of neurologic symptoms for diagnosis of, 826
- Cardiovascular Diseases; therapeutic use of vitamin B₁ in polyneuritis and cardiovascular conditions; clinical indications, 835
- Cardiovascular System: See Arteries; Vasomotor System; etc.
- Carmichael, H. T.: Eunuchoidism; psychiatric and endocrine study of 6 cases, *717
- Role of endocrine glands in mental disorders, 622
- Case, T. J.: Localization of cerebral cortical lesions by electroencephalographic examination, 623
- Catatonia: See Dementia Praecox
- Cauda Equina: See Spinal Cord
- Caudate Nucleus: See Corpus Striatum
- Cavell, R. W.: Recent advances in treatment of schizophrenia, 854
- Cavum Septi Pellucidi: See Brain, pathology
- Cells: See also Neuroglia; Tissue; etc.
- vitamin A and tumor mitochondria, 817
- Cephalalgia: See Headache
- Cephalocele: See Brain, herniation
- Cerebellum, abscess with diffused suppurative labyrinthitis, 186
- acustico-lateral centers and cerebellum with fiber connections of fishes, 1024
- adult form of familial amaurotic idiocy with cerebellar and extrapyramidal signs and without amaurosis, 1257

INDEX TO VOLUME 40

- Cerebellum—Continued
 effect of lesions in vestibular part of cerebellum in primates, *500
 heredofamilial degeneration of; clinical and genealogic report on family, 1301
 Localization of Function: See Brain, localization of function
 medulloblast and medulloblastoma; study of human embryos, *937
 oscillographic study of cerebello-cerebral relationships, 1029
 Cerebrospinal Fluid: See also Meninges, permeability
 aseptic meningitis associated with autohemotherapy and autocerebrospinal fluid treatment of multiple sclerosis, 1042
 behavior of dextrose and chlorides in spinal fluid in postoperative period, 1261
 effect of intravenous injection of hypertonic dextrose solution on spinal fluid pressure in cases of brain tumor, 591
 protein in, 592
 relations between constitution and pressure of spinal fluid and function of circulatory and uropoietic organs in old age, 1262
 review of group of cases of epidemic polyradiculoneuritis, 1260
 virulence in course of simple mumps, 593
 Cerebrum: See Brain
 Chamberlain, W. E.: Syringomyelia and multiple sclerosis simulated by deformities in upper cervical region of vertebral canal, 611
 Chiasm, Optic: See Optic Chiasm
 Children, correlations of behavior and neuropathology in case of cerebral palsy from birth injury, 820
 psychiatric study of car sickness in, 820
 Chloride, effect of complete and partial hypophysectomy in adult albino rats on water, chloride, sodium, potassium and sulfur metabolism, 178
 Choked Disk: See Neuritis, optic
 Cholesterol, absorption of poliomyelitis virus by, 394
 calcium deposits in nerve cells of white rats after injections of urea and cholesterol, 394
 Choline and Choline Derivatives, sweat secretion in man; clinical observations on sweating produced by pilocarpine and mecholyl, *269
 water-soluble form of acetylcholine in central nervous system of frog, 1255
 Chordoma, tumors involving ventral aspect of pons and medulla, including 2 chordomas, 187
 Chordotomy: See Spinal Cord, surgery
 Chorea, hemichorea associated with lesion of caudate nucleus, 189
 Sydenham's, artificial fever therapy of, 387
 Choroid, Paget's disease with mental symptoms and choroiditis, 578
 Chronaxia, alleged change in chronaxia of flexor muscles of arm in voluntary innervation of their antagonists, 1254
 evolution of conception; nervous subordination; chronaxia and conditioned reflex, 368
 Clarke, F. M.: Moro reflex and startle pattern, *322
 Claudication, intermittent, knee phenomenon in cases of, 1263
 Cobb, S.: Anticonvulsive action of vital dyes, *1156
 Coburn, D. F.: Arnold-Chiari malformation and its operative treatment, *328
 Coccygodynia: See Coccyx
 Coccyx, coccygodynia and pain in superior gluteal region and down back of thigh; causation by tonic spasm of levator ani, coccygeus and piriformis muscles and relief by massage of these muscles, 840
 painful, 191
 Cochlea: See Ear, internal
 Cohen, I.: Surgical therapy for certain convulsive disorders, 209
 Cohen, L. H.: Electroencephalogram in bromide intoxication, *922
 Cohen, M. E.: Anticonvulsive action of vital dyes, *1156
 Colon: See also Intestines
 dilatation; treatment of neurogenic megacolon with selective drugs, 1282
 Conel, J. L.: Distribution of affected nerve cells in case of amyotonia congenita, *337, 1066
 Consciousness, cerebral cortex in man; cerebral cortex and consciousness, *417
 Constitution, relations between constitution and pressure of spinal fluid and function of circulatory and uropoietic organs in old age, 1262
 Convalescence, 577
 Convulsions: See also Epilepsy
 carbohydrate metabolism of brain; effect of certain narcotics and convulsant drugs on carbohydrate and phosphocreatine content of rabbit brain, 164
 surgical therapy for certain convulsive disorders, 209
 Copper, iron and manganese content of human brain, 164
 Corpus Callosum, hereditary defects in mouse, *Mus musculus*, 1249
 lipoma of, 173
 partial absence of, 575
 Corpus Geniculatum, evolution of medial geniculate body, 1024
 Corpus Luysi: See Hypothalamus
 Corpus Striatum: See also Lenticular Nucleus
 hemichorea associated with lesion of caudate nucleus, 189
 Corwin, W.: Experimental anoxemia, *1233
 Craniectomy: See under Cranium
 Cranium: See also Frontal Bone; Head; Temporal Bone
 Arnold-Chiari malformation and its operative treatment, *328
 early diagnosis of intracranial tumor, 587, 588
 fracture of skull involving paranasal sinuses and mastoids, 584
 hyperpathic areas of scalp associated with intracranial lesions, 604
 Injuries: See Brain, injuries; Head, injuries
 intracranial pressure without brain tumor, 592
 physicochemical properties of brain, especially in senile dementia and cerebral edema; differential ratio of skull capacity to volume, specific weight, water content, water-binding capacity and pH of brain, *877
 reduction of intracranial pressure in cerebral injury by intravenous use of hypertonic sucrose solution, 591
 role of hypophysis in cranial osteomyelitis, petrositis and sinus infections, 1269
 treatment of acquired defects of skull, 596
 unusual complication following suboccipital craniectomy, 611
 value of percussion of skull in localization of gross cerebral lesions, 612
 Creatine and Creatinine, studies in diseases of muscle; effect of ketosis and of ingestion of creatine in myotonia congenita, *1135
 studies in diseases of muscle; metabolism of creatine and creatinine in muscular wasting subsequent to disease of nervous system, *663
 studies in diseases of muscle; metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680
 studies in diseases of muscle; progressive peroneal muscular atrophy; report on family with study of heredity and of metabolism of creatine and creatinine, *911
 Crime and Criminals: See also Delinquency; Jurisprudence, Medical; etc.
 point of view of law, 845

INDEX TO VOLUME 40

- Cryptococci Hominis: See Torula
Cryptorchidism: See Testicles, undescended
Curran, F. J.: Drama as therapeutic measure in treatment of adolescent behavior problems, 405
Cushing Syndrome: See under Pituitary Body
Cyanosis; acrocyanosis, 580
Cysticercus, meningeal cysticercosis with anatomicoclinical arachnoiditis; observations, 378
Cystometry: See under Bladder
Cysts: See under names of organs and regions, as Spinal Cord; etc.
- Deafness:** See also Hearing
associated with meningococcemia, 391
chronic progressive deafness from nutritional standpoint, 391
due to mumps; report of case, 1292
syndrome of labyrinthine glaucoma, 393
Death, histopathologic nature and pathogenesis of cerebral changes following delayed death from hanging, 371
mechanism in certain cases of cerebral tumor, 173
Dehydration, water balance in neurosurgical patients, 1262
Dejerine-Sottas' Disease: See Neuritis, interstitial
Delinquency, definition of psychopathic inferior personality, 845
point of view of institution, 845
point of view of law, 845
return to community, 847
Delusions: See under Dementia Praecox; Insanity
Dementia: See also Dementia Paralytica; Dementia Praecox; Insanity; etc.
histologic changes in senile dementia and related conditions studied by silver impregnation and microincineration, *1075
physicochemical properties of brain, especially in senile dementia and cerebral edema; differential ratio of skull capacity to volume, specific weight, water content, water-binding capacity and pH of brain, *877
Dementia Paralytica, cerebral impaludation, *707
comparison of old and modern treatments over period of 22 years, 495
hypoglycemia as cause of seizures in general paralysis, 173
malaria in treatment, 14 years' experience, 853
relation of alcoholism to, 193
results of fever therapy in cases of, 598
Dementia Praecox, biopsy studies of cerebral pathologic changes in schizophrenia and manic-depressive psychosis, *227
clinical observations on schizophrenic drawings, 373
convulsion therapy in psychoses, 390
convulsions and insulin treatment, 171
convulsive therapy in schizophrenia, 389
disturbances in concept formation in schizophrenia, 1276
effect of artificially raised metabolic rate on electroencephalogram of schizophrenic patients, 570
effects of hypoglycemia and anoxia on central nervous system; basis for rational therapy of schizophrenia, *125
electroencephalogram of schizophrenics during insulin hypoglycemia and recovery, 570
evaluation of insulin shock therapy on basis of previous experiences, 838
experiences with insulin shock treatment for schizophrenia, 185
fever treatment with sulfur-in-oil, 387
indications for insulin treatment of schizophrenia, 389
induced epileptiform attacks as treatment of schizophrenia, 388
insulin-hypoglycemia treatment of schizophrenia, experiences in, 183, 384
- Dementia Praecox—Continued
insulin shock therapy; report of 100 cases, 1274
insulin shock treatment of schizophrenia, 390, 599
investigations on intoxication theory with reference to attempts at total transfusion, 1265
metabolic studies during insulin hypoglycemia therapy of psychoses, *116
mirror behavior in schizophrenic and normal individuals, 575
possibilities of combined insulin-metrazol treatment of schizophrenia, 390
psychology of schizophrenia, 409
recent advances in treatment of schizophrenia, 854
remissions in schizophrenia; frequency and duration before insulin therapy, 170
schizophrenia and its treatment by insulin and "cardiazol," 597
statistical study of organic findings in 129 patients with schizophrenia, 397
theoretical aspects of insulin shock therapy and metrazol convulsive therapy of schizophrenia, 838
treatment of schizophrenia by induction of convulsions, 1264
treatment of schizophrenia with insulin, 184
treatment of schizophrenia with metrazol by production of convulsions, 835
vasomotor reactions and heat regulations in catatonic stupors, 579
Depression: See Insanity; Melancholia
Dermatitis Medicamentosa: See under Arspenamines; etc.
Dermoid Tumors: See Tumors, dermoid
Dextrose: See also Blood sugar; Carbohydrates; etc.
In Cerebrospinal Fluid: See under Cerebrospinal Fluid
nerve injuries caused by intravenous injections of, 831
Diabetes Insuper, traumatic, 583
Diabetes Mellitus: See also Blood sugar
treatment of essential hypertension and diabetes mellitus by irradiation of pituitary and adrenal regions, 383
with pituitary dwarfism, 179
Diddle, A. W.: Hypertrophic interstitial neuritis with papilledema, *151
Diethelm, O.: Fear as therapeutic agent, 414
Diller, T.: William K. Walker, 814
Diphtheria, bulbar encephalitis complicating diphtheria, 1257
Diplegia: See Paralysis
Disk, Choked: See Neuritis, optic
Divorce, emotional, psychopathologic aspects of, 1285
Doherty, M. M.: New modifications of benzidine stain for study of vascular pattern of central nervous system, *158
Dolgopol, V. B.: Absence of septum pellucidum as only anomaly in brain; report of case, *1244
Douglas, R. P.: Cerebral angioma arteriale; case in which migrainous headache was earliest manifestation, *1220
Dow, R. S.: Effect of lesions in vestibular part of cerebellum in primates, *500
Drama: See under Medicine
Dresner, M. H.: Hodgkin's disease of spine with paraplegia complicated by pregnancy, 399
Drugs, Addiction: See under names of drugs, as Opium; etc.
Ducoste, M.: Cerebral impaludation, *707
Ductless Glands: See Endocrine Glands
Dura Mater: See also Meninges; Pachymeningitis
Intradural abscess complicating acute mastoiditis with subperiosteal abscess in infant, 1262
Dwarfism, pituitary, with diabetes mellitus, 179

INDEX TO VOLUME 40

- Dyes, brilliant vital red as anticonvulsant in treatment of epilepsy; study of 13 cases, *1178
vital, anticonvulsive action of, *1156
- Dystonia musculorum deformans; postencephalitic torsion spasm, 188
musculorum deformans; studies in diseases of muscle: metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680
- Dystrophy, Adiposogenital: See Pituitary Body, diseases
Muscular: See also Myotonia
muscular; electrolytes in nutritional muscular dystrophy in rabbits, 841
muscular, lysate therapy of, 1265
muscular, progressive, and vitamin C, 841
muscular; studies in diseases of muscle: metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680
- Ear: See also Deafness; Hearing; Mastoid; etc.
aural vertigo, 1266
Diseases: See Otitis Media; Otosclerosis
Internal: See also Equilibrium; Nerves, vestibular; Nystagmus
internal; acute labyrinthitis with complicating late facial paralysis, 589
internal; cerebellar abscess with diffused suppurative labyrinthitis, 186
internal; meningitis due to type III pneumococcus; review of literature and report of case of otitic origin with recovery following radical mastoidectomy and labyrinthectomy, 181
internal; vestibulocerebral pathways, 364
- Eck Fistula: See Portal Vein
- Edema, physicochemical properties of brain, especially in senile dementia and cerebral edema; differential ratio of skull capacity to volume, specific weight, water content, water-binding capacity and μ of brain, *877
- Edinger-Westphal Nucleus: See under Brain
- Electricity, injuries; changes in brain in accidental electrocution, 573
somnia produced by electrical currents in brain, 1274
- Electrocution: See Electricity, injuries
- Electroencephalogram: See Brain, physiology
- Electrolytes, effect of growth on distribution of water and electrolytes in brain, liver and muscle, 818
in nutritional muscular dystrophy in rabbits, 841
- Electromyogram: See Muscles
- Elsberg, C. A.: Frederick Tilney, 1306
Quantitative olfactory tests; value in localization and diagnosis of tumors of brain with analysis of results in 300 patients, *471
- Elvidge, A. R.: Biopsy studies of cerebral pathologic changes in schizophrenia and manic-depressive psychosis, *227
- Embolism: See also Thrombosis
cerebral, as complication of coronary thrombosis, 573
cerebral; cerebral changes in acute case of fat-embolism, 1035
cerebral fat embolism resulting from minor injury to lower extremities, 1059
vascular reactions of brain in course of solid and gaseous embolisms; experimental study on cerebral vascular spasms, 370
- Emotions: See also Fear; etc.
blood pressure and pulse rate as index of emotional stability, 1268
emotional factors in hypertension, 401
hormonal factors in, 1037
psychogenic factor in asthma, 373
stuttering as disorder of emotional behavior and personality, 396
- Encephalitis: See also Encephalomyelitis; Meningoencephalitis
bulbar, complicating diphtheria, 1257
"Bulgarian treatment" in care of chronic postencephalitic parkinsonism from clinical, statistical and institutional points of view, 185
Bulgarian treatment of postencephalic parkinsonism, 597
does virus of influenza cause neurological manifestations? 1268
nonsuppurative intracranial complications of otitis media, 587
postencephalitic hyperthyroidism and hypothyroidism, 827
postencephalitic torsion spasm, 188
precocious puberty following, 1035
- Encephalography: See Brain, roentgenography
- Encephalomyelitis, disseminated (meningoencephalomyelorradiculitis) versus multiple sclerosis, *1111
optic, 1034
- Encephalorrhagia: See Brain, hemorrhage
- Endocrine Glands: See also under names of glands
eunuchoidism; psychiatric and endocrine study of 6 cases, *717
hormonal factors in emotion, 1037
role in mental disorders, 622
- Endocrine Therapy: See under names of glands and hormones, as Adrenal Preparations; Insulin; Pituitary Preparations
- Enuresis: See Urination, incontinence
- Ependyma; ependymal streaks and accessory cavities in human occipital lobe, 815
- Epilepsy: See also Convulsions
acute amaurotic epilepsy in *Macacus rhesus*, *521
anticonvulsive action of vital dyes, *1156
blood bromide investigations in psychotic epileptics, 826
brilliant vital red as anticonvulsant in treatment of epilepsy; study of 13 cases, *1178
ephedrine in treatment of petit mal convulsive seizures of autonomic origin, 213
International League Against Epilepsy, annual meeting, 362
mentality of dispensary epileptic patients, *903
myoclonic, *968
of allergic origin, 587
paroxysmal cerebral dysrhythmia, 1258
psychoanalytic observations relevant to etiologic basis of preconvulsive auras, 1048
relation between hereditary epilepsy and manic-depressive psychosis, 170
relationships between mental disturbances and disturbances in speech; speech disturbances in epileptic persons, 374
remissions of attacks treated with sodium bromide, 1039
role of anoxia in production of epileptiform seizures, 817
treatment in children, 1038
variations in magnesium and potassium associated with essential epilepsy, *66
- Epstein, S. H.: Pathogenesis of syphilitic optic atrophy, 1047
- Equilibrium: See Cerebellum; Ear, internal; Nystagmus; Posture; etc.
effect of lesions in vestibular part of cerebellum in primates, *500
- Equilibrium, Acid-Base: See Acid-Base Equilibrium
- Erickson, M. H.: Negation or reversal of legal testimony, *548
- Erythrocytes: See also Anemia
existence of hematopoietic hormone in hypophysis, 1037
- Estrin: See Estrogens
- Estrogens, theelin therapy in psychoses; effect in involutional melancholia and as adjuvant in other mental disorders, 384
treatment of Cushing's syndrome with large doses of estrin, 596
- Ethyl Alcohol: See Alcohol

INDEX TO VOLUME 40

- Eunuchoidism; psychiatric and endocrine study of 6 cases, *717
- Exophthalmos: See Goiter, exophthalmic
- Extremities, blood supply; sympathectomy for peripheral vascular disease, 834
- cerebral fat embolism resulting from minor injury to lower extremities, 1059
- Paralysis: See also Poliomyelitis
- paralysis; Hodgkin's disease of spine with paraplegia complicated by pregnancy, 399
- Eyelids, appearance and disappearance of Gunn's jaw-ld phenomenon (jaw winking) during regression of ptosis associated with syphilis, 841
- Eyes: See also Vision; and under special structures of eyes, i. e., Macula Lutea; Retina; etc.
- accommodation and refraction; accommodation and autonomic nervous system, 843
- accommodation and refraction; response to light in *Peranema trichophorum* with reference to dark-adaptation and light-adaptation, 818
- Movements: See also Eyes, paralysis; Nystagmus; etc.
- movements; abnormal ocular and pupillary movements following oculomotor paralysis, 842
- movements; ocular disturbances associated with experimental lesions of mesencephalic central gray matter, 842
- paralysis; autohemotherapy for paralysis of ocular muscles, 1263
- Face, Paralysis: See Paralysis, facial
- sweat secretion in man; sweat secretion of face and its disturbances, *443
- Fasting, metabolism of pyruvic acid in vitamin B₁ deficiency and in inanition, 1028
- Fat in infant brain in relation to myelin, blood vessels and glia, 817
- Fear as therapeutic agent, 414
- Feeble-mindedness: See also Idiocy; Laurence-Biedl Syndrome
- diffuse white matter gliosis in mental defectives, 167
- Fellowship awards of National Committee for Mental Hygiene, 569
- in psychoanalysis, 856
- Fetterman, J. L.: Mentality of dispensary epileptic patients, *903
- Fever: See also Temperature; Typhoid; etc.
- evaluation of artificial fever therapy for neuropsychiatric disorders, *1141
- Therapeutic: See under Chorea; Dementia Paralytica; Mental Diseases; Nervous System, diseases; Syphilis; etc.
- Filum Terminale: See Spinal Cord
- Fingers and Toes, post-traumatic parkinsonism and effect of atropine, 826
- Finkelman, I.: Herniation of brain not heretofore described, *803
- Finley, K. H.: Clinical results with Elsberg's olfactory test, *147
- Foramen, pathologic conditions of spine; painful disturbances of intervertebral foramina, 191
- Freeman, W.: Obsessive ruminative tendencies following interruption of frontal association pathways, 202
- Friedländer's Bacteria: See Bacteria, mucosus capsulatus group
- Friedreich's Ataxia: See under Ataxia
- Frontal Bone, hyperostosis of internal aspect of, 1271
- Fulton, J. F.: Alfred Walter Campbell, 566
- Furst, W.: Multiple neuritis probably due to sulfanilamide; report of case, 1293
- Gammon, G. D.: Modification of spontaneous cortical activity by sensory stimuli, 614
- Relation of potassium to family periodic paralysis, 615
- Ganglion: See also Gasserian ganglion; Nervous System; Neurons
- peripheral and central connections of upper cervical dorsal root ganglia in rhesus monkey, 1025
- Ganglion—Continued
- quantitative studies of vagus nerve in cat; ratio of jugular to nodose fibers, 1250
- Spinal: See Neurons
- sympathetic ganglionic responses in man, 1031
- Ganglionectomy: See Sympathectomy
- Gantt, W. H.: Method of testing cortical function and sensitivity of skin; aid in differentiating organogenic and psychogenic disturbances, *79
- Gasserian ganglion, experimental studies on axonal degeneration of cells of gasserian ganglion after section or extirpation of branches of trigeminal nerve, 1269
- Gaylor, J. B.: Effects of acute anemia on nerve activity, 613
- Gellhorn, E.: Effects of hypoglycemia and anoxia on central nervous system; basis for rational therapy of schizophrenia, *125
- Geniculate Body: See Corpus Geniculatum
- Genitals: See also Urinary Tract
- treatment of genital hypoplasia in male, 384
- Gerard, R. W.: Anoxia and neural metabolism, *985
- Glaucoma, labyrinthine, syndrome of, 393
- Glia: See Neuroglia
- Glioma, loss of vision in cases of glioma associated with severe hydrocephalus and subarachnoid metastases, 1266
- Gliosis: See Neuroglia
- Globus Pallidus: See Lenticular Nucleus
- Goiter: See also Thyroid
- exophthalmic, and psychosis, 371
- Goldstein, K.: Moro reflex and startle pattern, *322
- Goodman, S. E.: Enuresis and other factors in normal and in psychotic persons; comparative study of incidence and intercorrelations, *699
- Gordon, A.: Minor injuries of cervical segment of spine and their consequences, 1051
- Gordy, S. T.: Carbon disulfide poisoning with report of 6 cases, 1295
- Grant, F. C.: Physio-pathologic and patho-anatomic aspects of major trigeminal neuralgia, *1126
- Prognosis for abscess of brain, 603
- Graves' Disease: See Goiter, exophthalmic
- Greenfield, J. G.: Meningoencephalitis due to *Cryptococcus hominis* (Torula histolytica); report of case, 1054
- Grether, W. F.: Experimental study of macular representation in monkey, *981
- Grinker, R. R.: Comparison of psychologic "repression" and neurologic "inhibition," 620
- Myoclonic epilepsy, *968
- Groff, R. A.: Unusual complication following suboccipital craniectomy, 611
- Growth, effect on distribution of water and electrolytes in brain, liver and muscle, 818
- Guillain-Barré Syndrome: See Nerves, roots
- Gunn Phenomenon: See Jaw-Winking Phenomenon
- Hamby, W. B.: Ependymal cyst of cervico-dorsal region of spinal cord, *1005
- Hanfmann, E.: Disturbances in concept formation in schizophrenia, 1276
- Hanging, histopathologic nature and pathogenesis of cerebral changes following delayed death from hanging, 371
- Harris, M. M.: Metabolic studies during insulin hypoglycemia therapy of psychoses, *116
- Harrison, F.: Modifications in technic for use of Horsley-Clark stereotaxic instrument, *563
- Somnolence produced by electrical currents in brain, 1274
- Hassin, G. B.: Disseminated encephalomyelitis (meningoencephalomyelorradiculitis) versus multiple sclerosis, *1111
- Haury, V. G.: Variations in magnesium and potassium associated with essential epilepsy, *66

INDEX TO VOLUME 40

- Head: See also Cranium
analysis of end results of treatment of 655
patients with trauma to head, 605
Injuries: See also Brain, injuries
injuries, cortical monoplegia following, 1259
injuries; olfactometry in cases of acute head
injury, 824
injuries; post-traumatic internal hydrocephalus, 165
injuries; traumatic diabetes insipidus, 583
Headache: See also Migraine
cerebral angioma arteriale; case in which
migrainous headache was earliest manifestation, *1220
psychogenic, 822
Hearing: See also Deafness
function of brain in auditory localization;
effect of cortical operation upon original
learning, 1026
function of brain in auditory localization;
postoperative solution of auditory spatial
problem, 1026
further investigation of auditory cerebral mechanisms, 1025
Heat: See also Temperature
activation of mechanisms for heat loss by
local heating of brain, 404
regulation; role of central nervous system
and thyroid in regulation of temperature, 1254
temperature regulation after operative removal of "heat center," 1255
vasomotor reactions and heat regulations in
catatonic stupors, *379
Hellbrunn, G.: Insulin shock therapy; report
of 100 cases, 1274
Heine-Medin's Disease: See Poliomyelitis
Hemangioma, cavernous, of vertebral column
with symptoms of transverse myelitis, 1272
Hematoencephalic Barrier: See Meninges, permeability
Hematoma: See Meninges, hemorrhage
Hemianesthesia; hysterical sensory disturbances; role of conditioned reflexes in
physiopathologic basis of hysteria, 171
Hemianopia, recurring, transitory hemianopia
from cortical and retinal angiospasm, occurring at menstrual period in patient with
syphilitic arteritis and hypertension, 393
Hemiatrophy: See Atrophy, unilateral
Hemichorea: See Chorea
Hemiplegia: See also Extremities, paralysis;
Paralysis
anosognosia, imperception of hemiplegia, 824
Hemorrhage, Subarachnoid: See Meninges, hemorrhage
Hemotherapy: See Serotherapy and Hemotherapy
Hendrick, I.: Psychoanalytic observations relevant to etiologic basis of preconvulsive
auras, 1048
Heredoataxia: See under Ataxia
Herman, R. C.: Mechanism of after-contraction; further studies, *300
Hernia, myelographic demonstration with air of
herniations of nucleus pulposus or cartilaginous disk, 610
Hertzman, J.: Athetosis and pallidal deficiency, *789
Heterochromia: See Iris, pigmentation
Hinko, E. N.: Recent advances in treatment of schizophrenia, 854
Hirschfelder, A. D.: Variations in magnesium and potassium associated with essential epilepsy, *66
Hirschfield, B. A.: Spinal epidural lesions; report of 3 cases, 1058
Hodgkin's Disease: See Lymphogranuloma
Hoefel, P. F. A.: Electromyographic studies in spastic conditions and in paralysis agitans, 1050
Hollander, E.: Dependence of sensation of pain on cutaneous impulses, *743
Holmes-Adie Syndrome: See Reflex, pupillary
Hormones: See Adrenal Preparations; Endocrine Glands; Estrogens; etc.
Horwitz, W. A.: Metabolic studies during insulin hypoglycemia therapy of psychoses, *116
Hospitals, director of laboratories and research, St. Elizabeths Hospital, Washington, D. C., 163
psychiatric; psychopathic personality; point of view of institution, 845
Hsu, Y. K.: Late damage from roentgen irradiation of human brain, *928
Hunt, W. A.: Moro reflex and startle pattern, *322
Hydrocephalus, dangerous effects of thorostrast used intracranially with reference to experimental production of, *86
drainage of spinal fluid in treatment of hydrocephalus, syringomyelia and syringobulbia, 1040
loss of vision in cases of glioma associated with severe hydrocephalus and subarachnoid metastases, 1266
nonsuppurative intracranial complications of otitis media, 587
post-traumatic internal hydrocephalus, 165
Hydrogen Ion Concentration: See also Acid-Base Equilibrium; Acidosis; Cerebrospinal Fluid; etc.
physicochemical properties of brain, especially in senile dementia and cerebral edema; differential ratio of skull capacity to volume, specific weight, water content, water-binding capacity and pH of brain, *877
Hydrophobia: See Rabies
Hyland, H. H.: Cerebral angioma arteriale; case in which migrainous headache was earliest manifestation, *1220
Hyman, I.: Ependymal cyst of cervicodorsal region of spinal cord, *1005
Hyperhidrosis: See under Sweat Glands
Hyperinsulinism: See under Pancreas
Hyperostosis: See Frontal Bone
Hyperpyrexia, Artificial: See Fever
Hypertension: See Blood pressure, high
Hyperthermia: See under Fever
Hyperthyroidism: See Goiter, exophthalmic; Thyroid
Hypervitaminoses: See Vitamins
Hypnotics, bioelectric activity of cerebral cortex during normal sleep and during narcosis induced by, 1033
Hypoglycemia: See Blood sugar
Hypophysis Cerebri: See Pituitary Body
Hypopituitarism: See Pituitary Body
Hypothalamus: See also Pituitary Body
so-called hypophysial-interbrain system, 1253
temperature regulation after operative removal of "heat center," 1255
Hysteria: See also Neuroses and Psychoneuroses
hysterical sensory disturbances; role of conditioned reflexes in physiopathologic basis of hysteria, 171
Icterus: See Jaundice
Idiocy: See also Feeble-mindedness
adult form of familial amaurotic idiocy with cerebellar and extrapyramidal signs and without amaurosis, 1257
Imbecility: See Idiocy
Impotence, 170
Inanition: See Fasting
Industrial Diseases, serous meningitis and disease of young swineherds, 378
Infantile Paralysis: See Poliomyelitis
Infantilism, Pituitary: See under Pituitary Body
Infants, newborn; correlations of behavior and neuropathology in case of cerebral palsy from birth injury, 820
newborn; death during blood transfusion as result of intracranial hemorrhage, 572
Influenza, does virus of influenza cause neurological manifestations? 1268
Infundibulum: See Hypothalamus
Injuries: See Brain, injuries; Electricity, injuries; Extremities; Head, injuries; Nerves, injuries; Spine; etc.

INDEX TO VOLUME 40

- Insanity: See also Dementia; Dementia Praecox; Melancholia; Mental Diseases
 Alcoholic: See Alcoholism; Korsakoff Syndrome
 biopsy studies of cerebral pathologic changes in schizophrenia and manic-depressive psychosis, *227
 relation between hereditary epilepsy and manic-depressive psychosis, 170
 Instruments: See also Apparatus
 modifications in technic for use of Horsley-Clarke stereotaxic instrument, *563
 Insulin: See also Diabetes Mellitus; Pancreas convulsions and insulin treatment, 171
 electroencephalogram of schizophrenics during insulin hypoglycemia and recovery, 570
 evaluation of insulin shock therapy on basis of previous experiences, 838
 experiences with insulin shock treatment for schizophrenia, 185
 indications for insulin treatment of schizophrenia, 389
 insulin-hypoglycemia treatment of schizophrenia, experiences in, 183, 384
 metabolic studies during insulin hypoglycemia therapy of psychoses, *116
 possibilities of combined insulin-metrazol treatment of schizophrenia, 390
 remissions in schizophrenia; frequency and duration before insulin therapy, 170
 schizophrenia and its treatment by insulin and "cardiazol," 597
 shock treatment of schizophrenia, 390, 599
 theoretical aspects of insulin shock therapy and metrazol convulsive therapy of schizophrenia, 838
 therapy in acute alcoholic psychoses; study of 9 successive cases of alcoholic psychoses treated with insulin, 386
 treatment of mental diseases by insulin, 389
 treatment of schizophrenia with insulin, 184
 Intelligence, mentality of dispensary epileptic patients, *903
 Tests: See Mental Tests
 Interbrain: See Hypothalamus
 Internal Secretions: See Endocrine Glands
 Intervertebral Disks: See Spine
 Intestines: See also Colon; Stomach
 pathologic changes observed at autopsy at Pontiac State Hospital, 196
 Intoxication: See Alcoholism
 Iris, pigmentation; case of idiopathic hemiatrophy (humeroscapulothoracic type) with anemic and telangiectatic nevi and heterochromia of iris, 1043
 Iron, copper and manganese content of human brain, 164
 Jaeger, J. R.: Pituitary cachexia (Simmonds' disease); report of case with autopsy, *1013
 Jaundice, spirochetal; meningism in leukemia and in Well's disease, 582
 Jaw-Winking Phenomenon, appearance and disappearance of Gunn's jaw-lid phenomenon (jaw winking) during regression of ptosis associated with syphilis, 841
 Jefferson, G.: Tentorial pressure cone, *857
 Jensen, R. A.: Psychiatric outpatients with single interview, 618
 Joints, Tuberculosis: See Arthritis, tuberculous
 Jurisprudence, Medical: See also Alcoholism; Crime and Criminals; Hanging; etc.
 impotence, 170
 negation or reversal of legal testimony, *548
 Kanzer, M.: Difficulty in spelling and cerebral dominance, 625
 Kasanin, J.: Disturbance in concept formation in schizophrenia, 1276
 Kelly, W. H.: Relation of alcoholism to dementia paralytica, 193
 Kenyon, A. T.: Eunuchoidism; psychiatric and endocrine study of 6 cases, *717
 Kershman, J.: Medulloblast and medulloblastoma; study of human embryos, *937
 Ketosis: See Acidosis
 Keyes, B. L.: Definition of psychopathic inferior personality, 845
 King, J. E. J.: Oxycephaly; new operation and its results; preliminary report, *1205
 Klemmer, A. P.: Heredofamilial degeneration of cerebellum; clinical and genealogic report on family, 1301
 Klemmer, R. N.: Heredofamilial degeneration of cerebellum; clinical and genealogic report on family, 1301
 Klingman, W. O.: Treatment of neurogenic megacolon with selective drugs, 1282
 Kolb, L.: Opium addict and his treatment, 197
 Konzelmann, F.: Cerebral fat embolism resulting from minor injury to lower extremities, 1059
 Korsakoff Syndrome, polyneuritis of pregnancy and Korsakoff's psychosis, 832
 Kozol, H. L.: Thalamic dysfunction; report of case in which thalamic syndrome was treated by excision of porencephalic cyst, *352
 Labyrinth: See Ear, internal
 Landis, C.: Moro reflex and startle pattern, *322
 Landry Syndrome: See Paralysis, acute ascending
 Langworthy, O. R.: Vesical abnormalities associated with parkinsonian syndrome, *44
 Larrabee, M. G.: Effects of acute anemia on nerve activity, 613
 Laurence-Biedl Syndrome, adiposogenital syndrome and pigmentary retinitis (syndrome of Bardet-Laurence-Biedl), 382
 blindness of hypophyseal origin; 4 cases of adiposogenital syndrome with retinal degeneration and mental backwardness, 392
 Laurence-Moon-Biedl syndrome, 166, 381
 Left and Right-Handedness, cerebral thrombosis causing deletion of artificial writing center in left cerebral hemisphere of left-handed man, 584
 difficulty in spelling and cerebral dominance, 625
 Lehrman, P. R.: Psychopathologic aspects of emotional divorce, 1285
 Leiser, R.: Recent advances in treatment of schizophrenia, 854
 Lenticular Nucleus, athetosis and pallidal deficiency, *789
 degeneration; pathologic and hereditary features of Wilson's pseudosclerosis, 1035
 Leptomeninges: See Meninges
 Leptomenigitis: See Meningitis
 Leukemia, meningism in leukemia and in Well's disease, 582
 Levy, N. A.: Ventral accessory abducens nucleus and its relation to function of external rectus muscle, 1282
 Lewy, F. H.: Hyperpathic areas of scalp associated with intracranial lesions, 604
 Modification of spontaneous cortical activity by sensory stimuli, 614
 Physiopathologic and pathoanatomic aspects of major trigeminal neuralgia, *1126
 Liebert, E.: Insulin shock therapy; report of 100 cases, 1274
 Ligaments, hypertrophy of ligamenta flava as cause of low back pain, 380
 Light, response to light in Peranema trichophorum with reference to dark-adaptation and light-adaptation, 818
 Lindau's Disease: See Angioma
 Lipoids: See Cholesterol; Fat; etc.
 Lipoma of corpus callosum, 173
 Lipschutz, L. S.: Recent advances in treatment of schizophrenia, 854
 List, C. F.: Sweat secretion in man; anatomic distribution of disturbances in sweating associated with lesions of sympathetic nervous system, *27; correction, 1066
 Sweat secretion in man; clinical observations on sweating produced by pilocarpine and mecholyl, *269
 Sweat secretion in man; sweat secretion of face and its disturbances, *443

INDEX TO VOLUME 40

- Locomotion: See Movements
- Looney, J. M.: Histologic changes in senile dementia and related conditions studied by silver impregnation and microincineration, *1075
- Physicochemical properties of brain, especially in senile dementia and cerebral edema; differential ratio of skull capacity to volume, specific weight, water content, water-binding capacity and pH of brain, *877
- Lorand, S.: Perverse tendencies and fantasies; their influence on personality, 217
- Lubin, A. J.: Pathogenesis of syringomyelia; case illustrating process of cavity formation from embryonic cell rests, *748
- Lumbago: See Backache
- Lyerly, J. G.: Meningioma of lateral ventricle; report of 2 cases, *997
- Lymphogranuloma, Hodgkin's disease of spine with paraplegia complicated by pregnancy, 399
- Lymphogranuloma Venereum, meningoencephalitis due to, 1063
- Lysotherapy: See Dystrophy, muscular
- McCravey, A.: Value of percussion of skull in localization of gross cerebral lesions, 612
- MacKenzie, O. R.: Comparison of old and modern treatments of dementia paralytica over period of 22 years, 195
- Macrogenitosomia: See Adolescence, precocious puberty
- Macula Lutea, experimental study of macular representation in monkey, *981
- Magnesium, variations in magnesium and potassium associated with essential epilepsy, *66
- Magoun, H. W.: Activation of mechanisms for heat loss by local heating of brain, 404
- Maison, G. L.: Experimental study of macular representation in monkey, *981
- Malaria, Therapeutic: See under Dementia Paralytica
- Manganese, iron and copper content of human brain, 164
- Mania: See Insanity
- Marriage, marital happiness in 2 generations, 577
- Masland, R. L.: Deafness due to mumps; report of case, 1292
- Massage, coccygodynia and pain in superior gluteal region and down back of thigh; causation by tonic spasm of levator ani, coccygeus and piriformis muscles and relief by massage of these muscles, 840
- Masson, C. B.: Dermoid of spinal cord; report of case in which there was removal with improvement, *554
- Masten, M. G.: Antidotal treatment of barbiturate intoxication; report of treatment with picrotoxin in 6 cases, 620
- Mastoid, fracture of skull involving paranasal sinuses and mastoids, 584
- surgery; disturbances of taste of otitic origin with reference to operations on ear, 843
- surgery; meningitis due to type III pneumococcus; review of literature and report of case of otitic origin with recovery following radical mastoidectomy and labyrinthectomy, 181
- Mastoidectomy: See Mastoid, surgery
- Mastoiditis: See also Otitis Media
- glossopharyngeal neuralgia associated with abscess of petrous tip following mastoiditis, 175
- intradural abscess complicating acute mastoiditis with subperiosteal abscess in infant, 1262
- Measles, precocious puberty following encephalitis, 1035
- Mecholyl: See Choline and Choline Derivatives
- Medicine, drama as therapeutic measure in treatment of adolescent behavior problems, 405
- Medulla Oblongata, acoustico-lateral centers and cerebellum with fiber connections of fishes, 1024
- Medulla Oblongata—Continued
- diseases; drainage of spinal fluid in treatment of hydrocephalus, syringomyelia and syringobulbia, 1040
- does developing medulla influence cellular proliferation within spinal cord? 1029
- experimental study of involuntary movements, 394
- study of anatomy of vertebral thrombosis, 601
- tumors involving ventral aspect of pons and medulla, including 2 chordomas, 187
- Medulloblast: See Neuroglia
- Medulloblastoma and medulloblast; study of human embryos, *937
- Megacolon: See Colon, dilatation
- Melancholia: See also Insanity
- involuntional melancholia process, *762
- theelin therapy in psychoses; effect in involuntional melancholia and as adjuvant in other mental disorders, 384
- Melanoma, primary, of leptomeninges, 165
- Ménière's Disease: See Vertigo, aural
- Meninges: See also Arachnoid; Dura Mater
- Hemorrhage: See also Brain, hemorrhage
- hemorrhage; spontaneous intraspinal subarachnoid hemorrhage, 376
- hemorrhage; spontaneous subarachnoid hemorrhage, 376
- meningeal relations of hypophysis cerebri, 1023
- meningeal relations of hypophysis cerebri; relations in adult mammals, 1023
- olfactory meningioma, 174
- permeability; behavior of dextrose and chlorides in spinal fluid in postoperative period, 1261
- primary melanomas of leptomeninges, 165
- Meningioma of lateral ventricle; report of 2 cases, *997
- olfactory, 174
- Meningism in leukemia and in Weil's disease, 582
- Meningitis: See also Meningococci; Meningoencephalitis; Pachymeningitis
- action of sulfanilamide in purulent meningitis of streptococcal and secondary meningococcal origin, 598
- aseptic, associated with autohemotherapy and autocerebrospinal fluid treatment of multiple sclerosis, 1042
- cerebrospinal, treatment by continuous spinal drainage, 837
- due to type III pneumococcus; review of literature and report of case of otitic origin with recovery following radical mastoidectomy and labyrinthectomy, 181
- due to type IV pneumococcus with recovery, 181
- epidemic, onset and course as related to fluctuations in temperature and barometric pressure, 823
- experience with sulfanilamide in, 833
- experimental, in guinea pigs, 579
- leptomeningitis with low localization; clinical and therapeutic studies in 14 cases, 376
- meningeal cysticercosis with anatomicoclinical arachnoiditis; observations, 378
- meningococcal, and acute meningococcemia; clinical study, 823
- meningococcal, sulfanilamide therapy in, 594
- otitic, 375
- serous, and disease of young swineherds, 378
- streptococcal; sulfanilamide in its management, 1041
- streptococcal otitic meningitis with recovery, 180
- tuberculosis of central nervous system with reference to tuberculous meningitis, 580
- tuberculous, clinical aspects of, 581
- tuberculous; does operative fusion of tuberculous joints produce tuberculous meningitis? 375
- tuberculous; residual lesions in healed tuberculous meningitis, 368
- tuberculous, statistics on etiology of, 581

INDEX TO VOLUME 40

- Meningitis—Continued**
vaccination against experimental meningococcal meningitis, 1038
with Friedländer's bacillus, 377
- Meningococci:** See also under Meningitis
action of sulfanilamide in purulent meningitis of streptococcal and secondary meningococcal origin, 598
deafness associated with meningococcemia, 391
meningococcal meningitis and acute meningococcemia; clinical study, 823
sulfanilamide therapy in meningococcal meningitis, 594
vaccination against experimental meningococcal meningitis, 1038
- Meningoencephalitis:** See also Encephalitis; Meningitis
due to *Cryptococcus hominis* (Torula histolytica); report of case, 1054
due to lymphogranuloma venereum, 1063
tuberculous meningitis and its relation to tuberculous foci in brain, 822
- Meningoencephalomyeloradiculitis:** See Nervous System, diseases
- Menninger, K. A.:** Emotional factors in hypertension, 401
- Menstruation, recurring, transitory hemianopia** from cortical and retinal angiospasm, occurring at menstrual period in patient with syphilitic arteritis and hypertension, 393
- Mental Deficiency:** See Feeble-mindedness
- Mental Diseases:** See also Children; Dementia Praecox; Feeble-mindedness; Insanity; Mental Hygiene; Neuroses and Psychoneuroses; Psychiatry; etc.
clinical effects of benzedrine sulfate in mental patients with retarded activity, 169
effect of years of observation on diagnosis of, 194
enuresis and other factors in normal and in psychotic persons; comparative study of incidence and intercorrelations, *699
evaluation of artificial fever therapy for neuropsychiatric disorders, *1141
exophthalmic goiter and psychosis, 371
Friedreich's ataxia with mental symptoms in members of same family, 4 cases, 381
intestinal pathologic changes observed at autopsy at Pontiac State Hospital, 196
mental disturbances due to bromide intoxication, 372
mental symptoms associated with tumor of brain; study of 530 verified cases, 826
Paget's disease with mental symptoms and choroiditis, 578
role of endocrine glands in mental disorders, 622
technic of somnifaine narcosis, 837
theelin therapy in psychoses; effect in involutional melancholia and as adjuvant in other mental disorders, 384
treatment by insulin, 389
- Mental Hygiene, psychiatric outpatients with** single interview, 618
- Mental Tests:** See also Personality
disturbances in concept formation in schizophrenia, 1276
- Mesencephalon:** See under Brain
- Metabolism, metabolic studies during insulin hypoglycemia therapy of psychoses, *116**
- Metrazol Therapy:** See under Dementia Praecox
- Michaels, J. J.:** Enuresis and other factors in normal and in psychotic persons; comparative study of incidence and intercorrelations, *699
- Microglia:** See Neuroglia
- Micturition:** See Urination
- Midbrain:** See Brain
- Migraine, disorder of sympathetic nervous system, 381**
pathophysiological basis of, 175
- Milhorat, A. T.:** Studies in diseases of muscle; effect of ketosis and of ingestion of creatine in myotonia congenita, *1135
Studies in diseases of muscle; metabolism of creatine and creatinine in muscular wasting subsequent to disease of nervous system, *663
- Milhorat, A. T.—Continued**
Studies in diseases of muscle; metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680
Studies in diseases of muscle; progressive peroneal muscular atrophy; report on family with study of heredity and of metabolism of creatine and creatinine, *911
- Mirrors; mirror behavior in schizophrenic and** normal individuals, 575
- Mitochondria:** See Cells
- Monoplegia:** See Paralysis
- Monsters, anencephalic human embryo 16.5 mm.** long, 1249
- Moon-Laurence-Biedl Syndrome:** See Laurence-Biedl Syndrome
- Moore, M.:** Cevitamic acid content of blood plasma in alcoholic psychoses, *58
- Moore, M. T.:** Meningoencephalitis due to *Cryptococcus hominis* (Torula histolytica); report of case, 1054
- Moro Reflex:** See under Reflex
- Movements:** See also Eyes, movements; Muscles
forced circling movements in monkeys following lesions of frontal lobes, 1030
involuntary, experimental study of, 394
pathologic lesions in optic thalamus; motor disturbances, 189
syndrome associated with "frontal akinesia," 1259
- Mumps:** See Parotitis
- Muscles, Atrophy:** See Atrophy, muscular
coccygodynia and pain in superior gluteal region and down back of thigh; causation by tonic spasm of levator ani, coccygeus and piriformis muscles and relief by massage of these muscles, 840
contractions; origin of fibrillary muscle twitches in cases of spinal amyotrophies, 1043
- Dystrophy:** See Dystrophy, muscular
electromyographic studies in spastic conditions and in paralysis agitans, 1050
localization within cerebellum of reactions to faradic cerebellar stimulation, 186
mechanism of after-contraction; further studies, *300
- Ocular:** See Eyes, paralysis
- peroneal;** studies in diseases of muscle; progressive peroneal muscular atrophy; report on family with study of heredity and of metabolism of creatine and creatinine, *911
- physiology;** action current of muscle on direct and indirect stimulation and function of motor end plate, 1032
- physiology;** alleged change in chronaxia of flexor muscles of arm in voluntary innervation of their antagonists, 1254
- physiology;** treatment of spastic torticollis, 1264
- studies in diseases of muscle;** effect of ketosis and of ingestion of creatine in myotonia congenita, *1135
- studies in diseases of muscle;** metabolism of creatine and creatinine in muscular wasting subsequent to disease of nervous system, *663
- studies on human neuromuscular mechanism;** effect of ventromedial chordotomy on muscular spasticity in man, *639
- ventral accessory abductors nucleus and its** relation to function of external rectus muscle, 1282
- Myasthenia Gravis, 839**
oral administration of prostigmin in treatment of, 385
quinine in myotonia and prostigmine in myasthenia; clinical evaluation, 183
treatment of, 382
- Myatonia, distribution of affected nerve cells in** case of amyotonia congenita, *337, 1066
- studies in diseases of muscle;** metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680

INDEX TO VOLUME 40

Myelin: See Brain; Nerves, roots
 Myelography: See Spinal Canal Roentgenography
 Myoclonus, genetic relations of myotonia, muscle cramps and myokymia, 1044
 myoclonic epilepsy, *968
 Myokymia: See Myoclonus
 Myotonia, Atrophica: See Dystrophy, muscular congenita; studies in diseases of muscle; effect of ketosis and of ingestion of creatine in myotonia congenita, *1135
 congenita; studies in diseases of muscle; metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680
 genetic relations of myotonia, muscle cramps and myokymia, 1044
 quinine in myotonia and prostigmine in myasthenia; clinical evaluation, 183
 Narcolepsy: See Sleep, disturbances
 Necrosis: See Anesthesia
 Narcotics: See under Anesthesia; Hypnotics
 Nasopharynx, malignant tumors with reference to neurological complications, 586
 Needles, W.: Disturbances of optic nerve complicating disease of accessory nasal sinuses, 629
 Nerves: See also under Neuralgia; Neuritis; Paralysis
 acoustic; acoustico-lateral centers and cerebellum with fiber connections of fishes, 1024
 Cells: See Neurons
 circumscribed lesion of facial nerve in aqueduct of Fallopius, 590
 effects of acute anemia on nerve activity, 613
 experimental investigations on pyramidal lesions in dogs and study of central regeneration, 1256
 influence of chemical agents on properties of nerve tissue; functional properties of human nerves and their dependence on chemical environment, 615
 injuries caused by intravenous injections of dextrose, 831
 noncentrifugal degeneration of severed peripheral nerve, 1251
 Optic: See also Neuritis, optic
 optic, disturbances complicating disease of accessory nasal sinuses, 629
 optic; experimental study of optic tracts and retinal projection of Virginia opossum, 1025
 optic; margins of optically excitable cortex in rabbit, *482
 optic; pathogenesis of syphilitic optic atrophy, 1047
 optic; trypanamide therapy of neurosyphilis and atrophy of optic nerve, 385
 perineurial cysts of spinal nerve roots, *1067
 phenomena due to misdirection of regenerating fibers of cranial, spinal and autonomic nerves, 831
 role of Jacobson's organ in feeding reaction of common garter snake, *Thamnophis sirtalis sirtalis* (Linn.), 815
 Roots: See also Nerves, optic; Nerves, ulnar roots; acute ascending polyradiculoneuritis, 1257
 roots; cells and fibers in spinal nerves; is 1:1 ratio in dorsal root the rule? 1026
 roots; clinical significance of lumbar radiculitis and of neuritis of femoral nerve, 1259
 roots; decrease in number of myelinated fibers in human spinal roots with age, 1023
 roots; diameter of axis cylinders in spinal nerve roots of man, 1027
 roots; review of group of cases of epidemic polyradiculoneuritis, 1260
 Sciatic: See Sciatica
 sensory; course of excitation in sensory human nerves, 1254
 Spinal: See Nerves, roots
 Trigeminal: See also Neuralgia, trigeminal

Nerves—Continued

trigeminal, experimental studies on axonal degeneration of cells of gasserian ganglion after section or extirpation of branches of, 1269
 ulnar; influence of chemical agents on properties of nerve tissue; effects of arterial block on human ulnar nerve, 615
 vagus; quantitative studies in cat; ratio of jugular to nodose fibers, 1250
 vagus; quantitative studies in cat; ratio of sensory to motor fibers, 1250
 ventral accessory abducens nucleus and its relation to function of external rectus muscle, 1282
 vestibular; anatomic relations of central pathways of vestibular system, 188
 vestibular; Ménière's disease; study based on examination made before and after intracranial division of vestibular nerve, 832
 Nervous System: See also Brain; Cerebellum; Nerves; Reflex; Spinal Cord; etc.
 accommodation and autonomic nervous system, 843
 clinical observations on effects of choline compounds in neurologic disorders with reference to Ménière's syndrome, 383
 Diseases: See also Epilepsy; Mental Diseases; Neuritis; Neuroses and Psychoneuroses; etc.
 diseases; disseminated encephalomyelitis (meningoencephalomyelodisculitis) versus multiple sclerosis, *1111
 diseases; evaluation of artificial fever therapy for neuropsychiatric disorders, *1141
 effects of hypoglycemia and anoxia on central nervous system; basis for rational therapy of schizophrenia, *125
 ephedrine in treatment of petit mal convulsive seizures of autonomic origin, 213
 evolution of conception of chronaxia; nervous subordination; chronaxia and conditioned reflex, 368
 injuries produced by nicotine in central nervous system of animals, 1256
 Intraspinal (subarachnoid) injection of vitamin B₁ for relief from intractable pain and for inflammatory and degenerative diseases of central nervous system, 833
 malignant tumors of nasopharynx with reference to neurological complications, 586
 mechanism of after-contraction; further studies, *300
 migraine; disorder of sympathetic nervous system, 381
 myelination in central nervous system of albino rat, treated with thymus extract (Hanson), 1250
 new modifications of benzidine stain for study of vascular pattern of central nervous system, *158
 paralysis of dental origin; attempt at explanation of peripheral facial paralysis, 590
 paralysis of thoracic nerve associated with lesion of sympathetic nervous system resulting from trauma during sports, 832
 pathologic lesions in optic thalamus; motor disturbances, 189
 phenomena due to misdirection of regenerating fibers of cranial, spinal and autonomic nerves, 831
 relations between mumps and later nervous disturbances, 827
 role of central nervous system and thyroid in regulation of temperature, 1254
 significance of neurologic symptoms for diagnosis of carbon monoxide poisoning, 826
 studies in diseases of muscle; metabolism of creatine and creatinine in muscular wasting subsequent to disease of nervous system, *663
 Surgery: See Brain, surgery
 sweat secretion in man; anatomic distribution of disturbances in sweating associated with lesions of sympathetic nervous system, *27; correction, 1066
 sweat secretion in man; sweat secretion of face and its disturbances, *443

INDEX TO VOLUME 40

Nervous System—Continued

Syphilis: See Syphilis
treatment of neurogenic megacolon with selective drugs, 1282
tuberculosis of central nervous system with reference to tuberculous meningitis, 580
water-soluble form of acetylcholine in central nervous system of frog, 1255

Nervousness: See Neuroses and Psychoneuroses

Neuralgia, facial, atypical, 830
glossopharyngeal, associated with abscess of petrous tip following mastoiditis, 175
trigeminal; familial occurrence of the douloureux, *1019
trigeminal; physiopathologic and pathoanatomic aspects of major trigeminal neuralgia, *1126

Neuritis, changes in spinal cord in polyneuritis, 1261

clinical significance of lumbar radiculitis and of neuritis of femoral nerve, 1259
deficiency syndromes associated with chronic alcoholism, 175
interstitial, hypertrophic neuritis with papilledema, *151

Multiple: See also Beriberi; Korsakoff Syndrome; Nerves, roots
multiple, probably due to sulfanilamide; report of case, 1293

multiple; therapeutic use of vitamin B₁ in polyneuritis and cardiovascular conditions; clinical indications, 835

optic encephalomyelitis, 1034

optic; hypertrophic interstitial neuritis with papilledema, *151

optic; toxic neuritis resulting from sulfanilamide, 590

peripheral, effect of vitamin B₁ on neuritis of pellagra, 836

relation of neuritis and climate, 1261

relief of neuritic pain in artificial fever therapy, 1038

retrobulbar, in pellagra, 589

Neurofibrils: See Neurons

Neuroglia, diffuse white matter gliosis in mental defectives, 167

fat in infant brain in relation to myelin, blood vessels and glia, 817

medulloblast and medulloblastoma; study of human embryos, *937

Neuromyelitis Optica: See Myelitis; Neuritis, optic

Neurons, anoxia and neural metabolism, *985

calcium deposits in nerve cells of white rats after injections of urea and cholesterol, 394

cells and fibers in spinal nerves; is 1:1 ratio in dorsal root the rule? 1026

discharge of impulses from ganglion cells, 366

distribution of affected nerve cells in case of amyotonia congenita, *337, 1066

experimental studies on axonal degeneration of cells of gasserian ganglion after section or extirpation of branches of trigeminal nerve, 1269

histologic changes in senile dementia and related conditions studied by silver impregnation and microincineration, *1075

Influence of chemical agents on properties of nerve tissue; modes of activity of peripheral axons, 615

intercellular substance of cerebral cortex (Nissl's cerebral gray matter); physiologic significance, *313

neurofibrils in living ganglion cells of chick, cultivated in vitro, 1023

size of largest nerve cells in fourth and fifth lumbar ganglia of albino rat, according to sex, 1024

vitamin deficiency as etiologic factor in central neuritis, 173

Neuropsychiatry, evaluation of artificial fever therapy for neuropsychiatric disorders, *1141

Neuroses and Psychoneuroses: See also Mental Diseases; Nervous System, diseases; etc.

clinical features and treatment of functional or nervous vomiting; report of 140 cases, 168

Inquiry into incidence of "neuropathic" conditions in relatives of normal persons, 170

psychiatric outpatients with single interview, 618

psychogenic headache, 822

Neurosurgery: See Brain, surgery; Spinal Cord, surgery; etc.

Neurosyphilis: See under Syphilis

Nevi, case of idiopathic hemiatrophy (humero-scapulothoracic type) with anemic and telangiectatic nevi and heterochromia of iris, 1043

Newborn Infants: See Infants, newborn

Ney, J.: Anticonvulsive action of vital dyes, *1156

Nicotine, injuries produced in central nervous system of animals, 1256

Nissl Granules: See Neurons

Norcross, N. C.: Intracerebral blood flow; experimental study, *291

Nucleus Pulposus: See Spine, intervertebral disks

Nycturia: See Urination, incontinence

Nystagmus: See also Cerebellum; Ear, internal; Equilibrium

congenital, and disturbances of nystagmus provoked experimentally, 392

Obituaries:

Campbell, Alfred Walter, 566

Peterson, Frederick, 1021

Putnam, James Wright, 363

Tilney, Frederick, 1306

Walker, William K., 814

Obsessions: See also Neuroses and Psychoneuroses

obsessive ruminative tendencies following interruption of frontal association pathways, 202

Old Age: See also under Dementia

relations between constitution and pressure of spinal fluid and function of circulatory and uropoietic organs in, 1262

O'Leary, J. L.: Margins of optically excitable cortex in rabbit, *482

Olfactometry: See under Smell

Oligophrenia: See Feeble-mindedness

Olsen, R. E.: Intestinal pathologic changes observed at autopsy at Pontiac State Hospital, 196

Ophthalmoplegia: See Eyes, paralysis

Opium addict and his treatment, 197

Oppenheim's Disease: See under Myatonia

Optic Chiasm, chiasmal syndromes produced by lesions in posterior fossa, 843

Optic Disk, Choked: See Neuritis, optic

Thalamus: See Thalamus

Ornstein, A. M.: Multiple neuritis probably due to sulfanilamide; report of case, 1293

Oscillography: See Brain, physiology

Osgood, R.: Brilliant vital red as anticonvulsant in treatment of epilepsy; study of 13 cases, *1178

Osteitis: See also Temporal Bone

deformans; compression of spinal cord in osteitis deformans (Paget's disease) of vertebrae, 1299

deformans; Paget's disease with mental symptoms and choroiditis, 578

Osteomyelitis, infections of spinal epidural space; aspect of vertebral osteomyelitis, 375

role of hypophysis in cranial osteomyelitis, petrositis and sinus infections, 1269

Otitis Media: See also Mastoiditis

disturbances of taste of otitic origin with reference to operations on ear, 843

meningitis due to type III pneumococcus; review of literature and report of case of otitic origin with recovery following radical mastoidectomy and labyrinthectomy, 181

INDEX TO VOLUME 40

- Otitis Media—Continued
nonsuppurative intracranial complications of, 587
otitic meningitis, 375
streptococcal otitic meningitis with recovery, 180
- Otosclerosis, chronic progressive deafness from nutritional standpoint, 391
- Oxycephaly: See Acrocephaly
- Oxygen: See also Respiration
deficiency; anoxia and neural metabolism, *985
deficiency; effects of hypoglycemia and anoxia on central nervous system; basis for rational therapy of schizophrenia, *125
deficiency; experimental anoxemia, *1233
deficiency; role of anoxia in production of epileptiform seizures, 817
- Pachymeningitis: See also Meningitis
tuberculous, 582
- Paget's Disease of Bones: See Osteitis deformans
- Pain: See also Sensation and Sensations
dependence of sensation of pain on cutaneous impulses, *743
intraspinal (subarachnoid) injection of vitamin B₁₂ for relief from intractable pain and for inflammatory and degenerative diseases of central nervous system, 833
subarachnoid injection of alcohol for relief of intractable pain with discussion of cord changes found at autopsy, 593
- Palmer, H. D.: Involuntary melancholia process, *762
- Palsy: See Paralysis
- Pancreas, hyperinsulinism, 177
- Papez, J. W.: Athetosis and pallid deficiency, *789
- Papilledema: See Neuritis, optic
- Paralysis: See also Extremities, paralysis;
Eyes, paralysis; Hemiplegia; Poliomyelitis
abnormal ocular and pupillary movements following oculomotor paralysis, 842
acute ascending, etiologic study of Landry's original case of, *800
agitans; electromyographic studies in spastic conditions and in paralysis agitans, 1050
agitans; studies in diseases of muscle; metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680
agitans, unilateral, relief by section of pyramidal tract, 1049
- Bell's: See Paralysis, facial
correlations of behavior and neuropathology in case of cerebral palsy from birth injury, 820
cortical monoplegia following head injury, 1259
facial; acute labyrinthitis with complicating late facial paralysis, 589
facial spasm of dental and sinus origin, 1260
facial; surgical treatment of Bell's palsy, 1263
following prophylactic inoculation of rabies vaccine and tetanus antitoxin, 828
- General: See Dementia Paralytica
- Infantile: See Poliomyelitis
- neurologic complications following administration of vaccines and serums, 176
of dental origin; attempt at explanation of peripheral facial paralysis, 590
of thoracic nerve associated with lesion of sympathetic nervous system resulting from trauma during sports, 832
relation of potassium to family periodic paralysis, 615
spastic; studies on human neuromuscular mechanism; effect of ventromedial chordotomy on muscular spasticity in man, *639
spastic, treatment of, 388
surgical repair of facial nerve, 180
- Paraphysis: See Brain, embryology
- Paraplegia: See Extremities, paralysis
- Paresis: See Dementia Paralytica
- Parietal Lobe: See Brain
- Parkinsonism: See also Encephalitis; Paralysis, agitans
post-traumatic, and effect of atropine, 826
symptomatic treatment of parkinsonian syndrome with cobra venom, 1040
vesical abnormalities associated with parkinsonian syndrome, *44
- Parotitis, deafness due to mumps; report of case, 1292
relations between mumps and later nervous disturbances, 827
virulence of spinal fluid in course of simple mumps, 593
- Peet, M. M.: Sweat secretion in man; anatomic distribution of disturbances in sweating associated with lesions of sympathetic nervous system, *27; correction, 1066
Sweat secretion in man; clinical observations on sweating produced by pilocarpine and mecholyl, *269
Sweat secretion in man; sweat secretion of face and its disturbances, *443
- Pellagra: See also Vitamins, B
effect of vitamin B₁ on peripheral neuritis of, 836
retrobulbar neuritis in, 589
- Penfield, W.: Arnold-Chiari malformation and its operative treatment, *328
Cerebral cortex in man; cerebral cortex and consciousness, *417
- Perception: See also Sensation and Sensations
anosognosia, imperception of hemiplegia, 824
disturbance of body scheme, 825
disturbances of perception and relation to disturbances in posture, 633
- Personality, perverse tendencies and fantasies; their influence on personality, 217
studies in alcoholic women, 576
stuttering as disorder of emotional behavior and personality, 396
- Peterson, Frederick, 1021
- Petrous Bone: See Temporal Bone
- Phillips, A. W.: Psychopathic personality; point of view of institution, 845
- Phobias: See Neuroses and Psychoneuroses
- Phosphocreatine: See Acid, creatine-phosphoric
- Phosphorus content of rat brain in experimental rickets, 164
- Pijoan, M.: Cevitamic acid content of blood plasma in alcoholic psychoses, *58
- Pilocarpine, sweat secretion in man; clinical observations on sweating produced by pilocarpine and mecholyl, *269
- Pineal Gland, teratoma of, 1034
- Pituitary Body: See also Hypothalamus
blindness of hypophyseal origin; 4 cases of adiposogenital syndrome with retinal degeneration and mental backwardness, 392
carbohydrate metabolism following irradiation of, 178
chromophobe adenoma associated with Cushing's syndrome, 1036
Cushing syndrome, 574, 1036
Diseases: See also Laurence-Biedl Syndrome
diseases; case of Simmonds' syndrome, 575
diseases; pituitary cachexia (Simmonds' disease); report of case with autopsy, *1013
diseases; treatment of dystrophia adiposogenitalis with gonadotropic hormone from urine of pregnant women, 600
effect of complete and partial hypophysectomy in adult albino rats on water, chloride, sodium, potassium and sulfur metabolism, 178
effect of splenectomy on weight of hypophysis of albino rat, 1036
existence of hematopoietic hormone in hypophysis, 1037
meningeal relations of hypophysis cerebri, 1023
meningeal relations of hypophysis cerebri; relations in adult mammals, 1023
morphology of hypophysis of Amblystoma, 1251
new syndrome apparently due to overactivity of posterior pituitary, 382

INDEX TO VOLUME 40

- Pituitary Body**—Continued
 pituitary dwarfism with diabetes mellitus, 179
 role of hypophysis in cranial osteomyelitis, petrositis and sinus infections, 1269
 some stages in development of neural complex in *Ecteinascidia*, 1024
 study of vascularity in cat, 1023
 treatment of Cushing's syndrome with large doses of estrin, 596
 treatment of essential hypertension and diabetes mellitus by irradiation of pituitary and adrenal regions, 383
- Pituitary Preparations**, adiposogenital syndrome and pigmentary retinitis (syndrome of Bardet-Laurence-Biedl), 382
 biological assay of carbohydrate metabolism hormone of anterior pituitary, 1253
- Plummer, D. E.**: Pituitary cachexia (Simmonds' disease); report of case with autopsy, *1013
- Pneumococci**, meningitis due to type III pneumococcus; review of literature and report of case of otitic origin with recovery following radical mastoidectomy and labyrinthectomy, 181
 meningitis due to type IV pneumococcus with recovery, 181
- Poisons and Poisoning**: See under names of various substances, as Bromide and Bromine; Carbon Disulfide; Carbon Monoxide; Nicotine; etc.
- Polioencephalitis**: See Encephalitis
- Polioencephalomyelitis**: See Encephalomyelitis
- Pollomyelitis**: See also Encephalomyelitis
 absorption of virus by cholesterol, 394
 acute anterior, in New York in 1935, 828
 acute anterior; relationship of injury to localization of paralysis, 830
 acute, treatment by intravenous injection of hypotonic salt solution, 595
 cerebellar ataxic form of Heine-Medin disease, 602
 chemoprophylaxis in; technic of applying chemical agents to olfactory mucosa, 1039
 in Los Angeles in 1934, 379
 physical therapy in infantile paralysis, 182
- Polynuritis**: See Beriberi; Korsakoff Syndrome; Neuritis, multiple
- Pons Varolii**, tumors involving ventral aspect of pons and medulla, including 2 chordomas, 187
- Porencephaly**, thalamic dysfunction; report of case in which thalamic syndrome was treated by excision of porencephalic cyst, *352
- Portal Vein**, lesions of brain in dogs with Eck fistula, 168
- Position**: See Posture
- Posture**, disturbances of perception and relation to disturbances in posture, 633
 static disturbances of posture and intermodal disturbances of perception and their mutual relationship, 366
- Potassium**, effect of complete and partial hypophysectomy in adult albino rats on water, chloride, sodium, potassium and sulfur metabolism, 178
 relation to family periodic paralysis, 615
 variations in magnesium and potassium associated with essential epilepsy, *66
- Pregnancy**, Hodgkin's disease of spine with paraplegia complicated by pregnancy, 399
 polynuritis of pregnancy and Korsakoff's psychosis, 832
 urine in; treatment of dystrophila adiposogenitalis with gonadotropic hormone from urine of pregnant women, 600
- Pressure**, tentorial pressure cone, *857
- Procaine**: See Anesthesia, procaine
- Prostigmine**, Therapy: See Myasthenia Gravis
- Protein**, chemical studies on neuroproteins; indication for sex differences in amino-acid composition of primate brain proteins, 164
 in Cerebrospinal Fluid: See Cerebrospinal Fluid, protein
- Pseudosclerosis**, pathologic and hereditary features of Wilson's pseudosclerosis, 1035
- Psychiatry**: See also Crime and Criminals; Insanity; Jurisprudence, Medical; Mental Diseases; Psychoanalysis; Psychology; Psychotherapy; etc.
 eunuchoidism; psychiatric and endocrine study of 6 cases, *717
 proposed classification of psychiatric problems, 619
- Psychoanalysis**: See also Psychotherapy
 comparison of psychologic "repression" and neurologic "inhibition," 620
 fellowships in, 856
 impotence, 170
 negation or reversal of legal testimony, *548
 perverse tendencies and fantasies; their influence on personality, 217
 psychoanalytic observations relevant to etiologic basis of preconvulsive auras, 1048
 psychopathologic aspects of emotional divorce, 1285
- Psychology**: See also Consciousness; Mental Tests; Personality; etc.
 of schizophrenia, 409
 psychodynamics of chronic alcoholism, 576
 psychological factors in alcoholism, 371
- Psychoneuroses**: See Neuroses and Psychoneuroses
- Psychoses**: See also Insanity; Mental Diseases; Neuroses and Psychoneuroses; etc.
- Psychotherapy**: See also Psychoanalysis
 fear as therapeutic agent, 414
- Puberty**: See Adolescence
- Pulse rate and blood pressure** as index of emotional stability, 1268
- Pupillotonia**: See Reflex, pupillary
- Pupils**, abnormal ocular and pupillary movements following oculomotor paralysis, 842
 tonic pupils with absent tendon reflexes; so-called Holmes-Adie syndrome, 583
- Putnam, James Wright**, 363
- Putnam, T. J.**: Centenary of multiple sclerosis, *806
 Electromyographic studies in spastic conditions and in paralysis agitans, 1050
 Encephalographic findings in cases of athetosis and related disorders, *18
 Relief from unilateral paralysis agitans by section of pyramidal tract, 1049
- Pyocyanine**, effect on metabolism of cerebral cortex, 1028
- Pyramidal Tract**, analysis of fibers of, 816
 experimental investigations on pyramidal lesions in dogs and study of central regeneration, 1256
 relief from unilateral paralysis agitans by section of, 1049
- Quadfasel, F. A.**: Disturbances of perception and relation to disturbances in posture, 633
- Rabies**, paralysis following prophylactic inoculation of rabies vaccine and tetanus antitoxin, 828
- Rachitis**: See Rickets
- Radiations**: See Roentgen Rays
- Radiculitis**: See Nerves, roots
- Radium**, histologic changes produced in mammalian brain by exposure to, 369
- Read, C. F.**: Insulin shock therapy; report of 100 cases, 1274
- Reback, S.**: Compression of spinal cord in osteitis deformans (Paget's disease) of vertebrae, 1299
- Red Nucleus**: See Brain, diseases
- Reed, G. E.**: Biopsy studies of cerebral pathologic changes in schizophrenia and manic-depressive psychosis, *227
- Reeves, D. L.**: Dangerous effects of thorotrast used intracranially with reference to experimental production of hydrocephalus, *86
- Reflex**, development of spinal reflex mechanism in human embryos, 1251
 evolution of conception of chronaxia; nervous subordination; chronaxia and conditioned reflex, 368

INDEX TO VOLUME 40

Reflex—Continued

- hysterical sensory disturbances; role of conditioned reflexes in physiopathologic basis of hysteria, 171
- method of testing cortical function and sensitivity of skin; aid in differentiating organic and psychogenic disturbances, *79
- Moro, and startle pattern, *322
- motor; optomotor reactions of cats after extirpation of neocortex, 1032
- pupillary; Adie's syndrome, 1266
- pupillary; ocular disturbances associated with experimental lesions of mesencephalic central gray matter, 842
- pupillary; tonic pupils with absent tendon reflexes; so-called Holmes-Adie syndrome, 583
- reflexes in prognosis of transverse lesions of spinal cord, 176
- spinal; relation of motor area of primates to hyporeflexia ("spinal shock") of spinal transection, 364
- studies on human neuromuscular mechanism; effect of ventromedial chordotomy on muscular spasticity in man, *639
- Refraction: See Eyes, accommodation and refraction
- Respiration, movements in midfetal life in sheep embryo, 1252
- representation of respiratory movements in cerebral cortex, 819
- Retina: See also Macula Lutea
- blood supply; recurring, transitory hemianopia from cortical and retinal angiospasm, occurring at menstrual period in patient with syphilitic arteritis and hypertension, 393
- physiology; analysis of retinomotor phenomena, 1255
- Rheingold, J. C.: Statistical study of organic findings in 129 patients with schizophrenia, 397
- Rickets, experimental, phosphorus content of rat brain in, 164
- Rigidity: See also Paralysis, spastic
- experimental reflex rigidities, 365
- Robinson, L. J.: Brilliant vital red as anticonvulsant in treatment of epilepsy; study of 13 cases, *1178
- Robinson, L. N.: Psychopathic personality; return to community, 847
- Roentgen Rays, late damage from roentgen irradiation of human brain, *928
- Therapy: See under names of organs, regions and diseases
- Rome, H. P.: Meningoencephalitis due to lymphogranuloma venereum, 1063
- Rooks, W. H.: Effect of years of observation on diagnosis of mental disease, 194
- Rosenthal Fibers: See Syringomyelia
- Rowbotham, G. F.: Small aneurysm completely obstructing lower end of aqueduct of Sylvius, *1241
- Rubin, M. A.: Electroencephalogram in bromide intoxication, *922
- Rundles, R. W.: Athetosis and pallidal deficiency, *789
- Sachs, B.: Frederick Peterson, 1021
- Sanes, S.: Ependymal cyst of cervicodorsal region of spinal cord, *1005
- Sapirstein, M. R.: Mechanism of after-contraction; further studies, *300
- Scalp, hyperpathic areas associated with intracranial lesions, 604
- Scherer, H. J.: Acute amaurotic epilepsy in *Macacus rhesus*, *521
- Schilder, P.: Psychology of schizophrenia, 409
- Schizophrenia: See Dementia Praecox
- Scholz, W.: Late damage from roentgen irradiation of human brain, *928
- Schube, P. G.: Cevitamic acid content of blood plasma in alcoholic psychoses, *58
- Schwarz, G. A.: Compression of spinal cord in osteitis deformans (Paget's disease) of vertebrae, 1299
- Sciatica and its treatment with reference to epidural injection (of procaine hydrochloride), 1041
- pain low in back and "sciatica" due to lesions of intervertebral disks, 1270

- Sclerosis, acute multiple sclerosis with cyst formation, 1035
- multiple, and syringomyelia simulated by deformities in upper cervical region of vertebral canal, 611
- multiple, aseptic meningitis associated with autohemotherapy and autocerebrospinal fluid treatment of, 1042
- multiple, centenary of, *806
- multiple, in 3 brothers, 827
- multiple, use of normal human serum in, 599
- multiple, versus disseminated encephalomyelitis (meningoencephalomyelodisculitis), *1111
- origin of fibrillary muscle twitchings in cases of spinal amyotrophies, 1043
- Scott, M. M.: Analysis of end results of treatment of 655 patients with trauma to head, 605
- Myelographic demonstration with air of herniations of nucleus pulposus or cartilaginous disk, 610
- Secretions, Internal: See Endocrine Glands
- Senility: See Old Age
- Sensation and Sensations: See also Nerves, sensory; Pain; Smell; etc.
- dependence of sensation of pain on cutaneous impulses, *743
- hyperpathic areas of scalp associated with intracranial lesions, 604
- method of testing cortical function and sensitivity of skin; aid in differentiating organic and psychogenic disturbances, *79
- pathologic lesions in optic thalamus; relation of sensory and anosognostic disturbances to thalamic foci; comparison with corresponding phenomena associated with supratthalamic and cortical foci, 189
- static disturbances of posture and intermodal disturbances of perception and their mutual relationship, 366
- Septum Pellucidum: See Brain, pathology
- Serota, H.: Myoclonic epilepsy, *968
- Serotherapy and Hemotherapy, aseptic meningitis associated with autohemotherapy and autocerebrospinal fluid treatment of multiple sclerosis, 1042
- autohemotherapy for paralysis of ocular muscles, 1263
- Settlage, P.: Experimental study of macular representation in monkey, *981
- Sex, chemical studies on neuroproteins; indication for sex differences in amino-acid composition of primate brain proteins, 164
- Precocious Development: See under Adolescence
- size of largest nerve cells in fourth and fifth lumbar ganglia of albino rat, according to sex, 1024
- Sharp, E. A.: James Wright Putnam, 363
- Sherman, S. H.: Involuntional melancholia process, *762
- Silverstein, A.: Cerebral fat embolism resulting from minor injury to lower extremities, 1059
- Simmonds' Disease: See Pituitary Body, diseases
- Sinuses, Nasal; disturbances of optic nerve complicating disease of accessory nasal sinuses, 629
- facial spasm of dental and sinus origin, 1260
- fracture of skull involving paranasal sinuses and mastoids, 584
- role of hypophysis in cranial osteomyelitis, petrositis and sinus infections, 1269
- Sjostrand, J.: Influence of chemical agents on properties of nerve tissue; modes of activity of peripheral axons, 615
- Skin: See also Sensation and Sensations
- dependence of sensation of pain on cutaneous impulses, *743
- method of testing cortical function and sensitivity of skin; aid in differentiating organic and psychogenic disturbances, *79
- Skull: See Cranium
- Sleep, bioelectric activity of cerebral cortex during normal sleep and during narcosis induced by hypnotics, 1033
- brain potentials during sleep, 570
- disturbances; attempt at new therapy of narcolepsy, 1042

INDEX TO VOLUME 40

- Sleep—Continued
disturbances; narcolepsy and its treatment with benzedrine sulfate, 387
sleep and waking, 367
somnolence produced by electrical currents in brain, 1274
- Small, S. M.: Studies in diseases of muscle; progressive peroneal muscular atrophy; report on family with study of heredity and of metabolism of creatine and creatinine, *911
- Smell, clinical results with Elsberg's olfactory test, *147
olfactometry in cases of acute head injury, 824
quantitative olfactory tests; value in localization and diagnosis of tumors of brain with analysis of results in 300 patients, *471
- Smith, L. H.: Psychiatric outpatients with single interview, 618
- Snakes, Venom: See under Parkinsonism
- Societies, American Board of Psychiatry and Neurology, Inc., certification by, 163
American College of Physicians, annual session, 163
International League Against Epilepsy, annual meeting, 362
National Committee for Mental Hygiene, fellowship awards of, 569
- SOCIETY TRANSACTIONS:
Boston Society of Psychiatry and Neurology, 1047
Chicago Neurological Society, 396, 620, 1274
Detroit Society of Neurology and Psychiatry, 193, 853
New York Academy of Medicine, Section of Neurology and Psychiatry, 405
New York Neurological Society and New York Academy of Medicine, Section of Neurology and Psychiatry, 209, 1282
New York Neurological Society, 197, 625
Philadelphia Neurological Society, 603, 1051, 1292
Philadelphia Psychiatric Society, 616, 845
- Sodium, Bromide: See under Bromide and Bromine; Epilepsy
effect of complete and partial hypophysectomy in adult albino rats on water, chloride, sodium, potassium and sulfur metabolism, 178
- Solomon, M.: Stuttering as disorder of emotional behavior and personality, 396
- Somnifaine: See under Anesthesia
- Sottas-Dejerine's Disease: See Neuritis, interstitial
- Sounds, function of brain in auditory localization; effect of cortical operation upon original learning, 1026
function of brain in auditory localization; postoperative solution of auditory spatial problem, 1026
- Spasm: See also Chorea; Convulsions; Epilepsy; etc.
genetic relations of myotonia, muscle cramps and myokymia, 1044
- Speech, defects; stuttering as disorder of emotional behavior and personality, 396
pathologic lesions in optic thalamus; motor disturbances, 189
relationships between mental disturbances and disturbances in speech; speech disturbances in epileptic persons, 374
- Spelling, difficulty in spelling and cerebral dominance, 625
- Sphincter Muscles, sympathetic innervation of external sphincter of human bladder, 588
- Spina bifida, Arnold-Chiari malformation and its operative treatment, *328
- Spinal Canal Roentgenography, air myelography: substitution of air for lipidol in roentgen visualization of tumors and other structures in spinal canal, 1044
myelographic demonstration with air of herniations of nucleus pulposus or cartilaginous disk, 610
- Spinal Cord: See also Meninges; Nervous System; Pyramidal Tract; Reflex, spinal; etc.
analysis of cellular proliferation in grafted segments of embryonic spinal cord, 815
changes in polyneuritis, 1261
compression in osteitis deformans (Paget's disease) of vertebrae, 1299
dermoid of; report of case in which there was removal with improvement, *534
development of spinal reflex mechanism in human embryos, 1251
does developing medulla influence cellular proliferation within spinal cord? 1029
ependymal cyst of cervicodorsal region, *1005
experimental reflex rigidities, 365
peripheral and central connections of upper cervical dorsal root ganglia in rhesus monkey, 1025
reflexes in prognosis of transverse lesions of, 176
spinal epidural lesions; report of 3 cases, 1058
structure of filum terminale, *1
subarachnoid injection of alcohol for relief of intractable pain with discussion of cord changes found at autopsy, 593
surgery; studies on human neuromuscular mechanism; effect of ventromedial chordotomy on muscular spasticity in man, *639
syringomyelia and multiple sclerosis simulated by deformities in upper cervical region of vertebral canal, 611
- Spinal Fluid: See Cerebrospinal Fluid
- Spine: See also Coccyx
cavernous hemangiomas of vertebral column with symptoms of transverse myelitis, 1272
Hodgkin's disease of spine with paraplegia complicated by pregnancy, 399
infections of spinal epidural space; aspect of vertebral osteomyelitis, 375
intervertebral disks, changes following lumbar puncture, 1271
intervertebral disks; myelographic demonstration with air of herniations of nucleus pulposus or cartilaginous disk, 610
low back pain due to herniation or rupture of intervertebral disk into spinal canal, 1270
minor injuries of cervical segment and their consequences, 1051
noninflammatory rheumatism of spinal column (spondylosis deformans), 1272
nonparasitic extradural cyst of spinal canal, 830
pain low in back and "sciatica" due to lesions of intervertebral disks, 1270
pathologic conditions; painful disturbances of intervertebral foramina, 191
- Splenectomy, effect on weight of hypophysis of albino rat, 1036
- Spondylosis: See under Spine
- Sports: See Athletics
- Sprague, G. S.: Proposed classification of psychiatric problems, 619
- Squires, W. H.: Fourteen years' experience with malaria in treatment of dementia paralytica, 853
- Stains and Staining, anticonvulsive action of vital dyes, *1156
brilliant vital red as anticonvulsant in treatment of epilepsy; study of 13 cases, *1178
histologic changes in senile dementia and related conditions studied by silver impregnation and microincineration, *1075
new modifications of benzidine stain for study of vascular pattern of central nervous system, *158
- Startle pattern and Moro reflex, *322
- Status Marmoratus: See Brain, pathology
- Stein, S. I.: Myoclonic epilepsy, *968
- Stephens, R. L.: Hypertrophic interstitial neuritis with papilledema, *151
- Stewart, J.: Quantitative olfactory tests; value in localization and diagnosis of tumors of brain with analysis of results in 300 patients, *471
- Stomach, acidity; new syndrome apparently due to overactivity of posterior pituitary, 382

INDEX TO VOLUME 40

- Strauss, I.: Disturbances of optic nerve complicating disease of accessory nasal sinuses, 629
- Streptococci, action of sulfanilamide in purulent meningitis of streptococci and secondary meningococci origin, 598
- otitic meningitis, 375
- streptococcal meningitis; sulfanilamide in its management, 1041
- streptococci otitic meningitis with recovery, 180
- Stuck, R. M.: Dangerous effects of thorostrast used intracranially with reference to experimental production of hydrocephalus, *86
- Stuttering: See Speech, defects
- Subarachnoid Space: See Meninges
- Sugar in Blood: See Blood sugar
- Suh, T. H.: New modifications of benzidine stain for study of vascular pattern of central nervous system, *158
- Sulfanilamide, multiple neuritis probably due to; report of case, 1293
- Therapy: See under Meningitis; Streptococci; etc.
- toxic optic neuritis resulting from, 590
- Sulfur, effect of complete and partial hypophysectomy in adult albino rats on water, chloride, sodium, potassium and sulfur metabolism, 178
- Suprarenal Preparations: See Adrenal Preparations
- Suprarenals: See Adrenals
- Sweat Glands, paralysis of thoracic nerve associated with lesion of sympathetic nervous system resulting from trauma during sports, 832
- sweat secretion in man; anatomic distribution of disturbances in sweating associated with lesions of sympathetic nervous system, *27; correction, 1066
- sweat secretion in man; clinical observations on sweating produced by pilocarpine and mecholyl, *269
- sweat secretion in man; sweat secretion of face and its disturbances, *443
- Swineherds: See Industrial Diseases
- Syphilis: See also under names of organs and regions
- appearance and disappearance of Gunn's jawlid phenomenon (jaw winking) during regression of ptosis associated with syphilis, 841
- cystometric observations in asymptomatic neurosyphilis, 586
- pathogenesis of syphilitic optic atrophy, 1047
- present-day status of treatment of neurosyphilis, 834
- treatment with artificial fever, 179
- trypanamide therapy of neurosyphilis and atrophy of optic nerve, 385
- Syringobulbia: See Medulla Oblongata, diseases
- Syringomyelia and multiple sclerosis simulated by deformities in upper cervical region of vertebral canal, 611
- drainage of spinal fluid in treatment of hydrocephalus, syringomyelia and syringobulbia, 1040
- non-neoplastic, Rosenthal fibers in, 369
- origin of fibrillary muscle twitches in cases of spinal amyotrophies, 1043
- pathogenesis; case illustrating process of cavity formation from embryonic cell rests, *748
- Taeffner, J. H.: Statistics on 1,061 patients on whom encephalographic and ventriculographic studies were made, 608
- Taft, A. E.: Intercellular substance of cerebral cortex (Nissl's cerebral gray matter); physiologic significance, *313
- So-called grape-like degeneration in brain tissue, 616
- Tamaki, K.: Pathogenesis of syringomyelia; case illustrating process of cavity formation from embryonic cell rests, *748
- Tarlov, I. M.: Perineurial cysts of spinal nerve roots, *1067
- Structure of filum terminale, *1
- Taste, disturbances of taste of otitic origin with reference to operations on ear, 843
- Teeth, facial spasm of dental and sinus origin, 1260
- paralysis of dental origin; attempt at explanation of peripheral facial paralysis, 590
- teratoma of pineal body, 1034
- Tegmentum: See under Brain
- Temperature: See also Heat
- onset and course of epidemic meningitis as related to fluctuations in temperature and barometric pressure, 823
- Temporal Bone, circumscribed lesion of facial nerve in aqueduct of Fallopius, 590
- glossopharyngeal neuralgia associated with abscess of petrous tip following mastoiditis, 175
- osteoclastic tumor of petrous bone, 1271
- role of hypophysis in cranial osteomyelitis, petrositis and sinus infections, 1269
- Teratoma of pineal body, 1034
- Testicles, undescended; treatment of dystrophia adiposogenitalis with gonadotropic hormone from urine of pregnant women, 600
- Tetanus, paralysis following prophylactic inoculation of rabies vaccine and tetanus antitoxin, 828
- Thalamus, cortical lesion causing cell reaction in anteromedial thalamic nucleus, 1026
- pathologic lesions in optic thalamus; relation to special vascular regions; simultaneous softening of several vascular regions (especially that of choroid artery) and malacia of indeterminate thalamic vascular regions; cortical and supratthalamic malacias with thalamic symptomatology; relation of sensory and anosognostic disturbances to thalamic foci; comparison with corresponding phenomena associated with supratthalamic and cortical foci; motor disturbances, 189
- thalamic dysfunction; report of case in which thalamic syndrome was treated by excision of porencephalic cyst, *352
- Theelin: See Estrogens
- Thompson, J. W.: Experimental anoxemia, *1233
- Thomsen's Disease: See Myotonia congenita
- Thorium dioxide; dangerous effects of thorostrast used intracranially with reference to experimental production of hydrocephalus, *86
- Thorner, M. W.: Influence of chemical agents on properties of nerve tissue; effects of arterial block on human ulnar nerve, 615
- Unusual complication following suboccipital craniectomy, 611
- Thorostrast: See Thorium dioxide
- Thrombosis: See also Embolism
- cerebral, causing deletion of artificial writing center in left cerebral hemisphere of left-handed man, 584
- coronary, cerebral embolism as complication of, 573
- vertebral, study of anatomy of, 601
- Thymus, myelination in central nervous system of albino rat, treated with thymus extract (Hanson), 1250
- Thyroid: See also Goiter
- effect of artificially raised metabolic rate on electroencephalogram of schizophrenic patients, 570
- postencephalitic hyperthyroidism and hypothyroidism, 827
- role of central nervous system and thyroid in regulation of temperature, 1254
- Tic Douloureux: See Neuralgia, trigeminal
- Tilney, Frederick, 1306
- Tinnitus, syndrome of labyrinthine glaucoma, 393
- Tissue: See also Cells
- Influence of chemical agents on properties of nerve tissue; effects of arterial block on human ulnar nerve, 615
- Influence of chemical agents on properties of nerve tissue; functional properties of human nerves and their dependence on chemical environment, 615

INDEX TO VOLUME 40

- Tissue**—Continued
 influence of chemical agents on properties of nerve tissue; modes of activity of peripheral axons, 615
 respiration; effect of pyocyanine on metabolism of cerebral cortex, 1028
 Staining: See Stains and Staining
Torsion Spasm: See *Dystonia musculorum deformans*
Torticollis, spastic, treatment of, 1264
Torula, meningoencephalitis due to *Cryptococcus hominis* (*Torula histolytica*); report of case, 1054
Toscani, V.: Studies in diseases of muscle; metabolism of creatine and creatinine in muscular wasting subsequent to disease of nervous system, *663
 Studies in diseases of muscle; metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680
Touch, hyperpathic areas of scalp associated with intracranial lesions, 604
Trauma: See also Brain, injuries; Extremities; Head, injuries; Nerves, injuries; Spine, injuries; etc.
 acute anterior poliomyelitis; relationship of injury to localization of paralysis, 830
 association with progressive muscular atrophy, 829
 traumatic arachnoiditis, 824
Trumper, M.: Carbon disulfide poisoning with report of 6 cases, 1295
Tuberculosis: See also under names of various organs, regions and diseases, as Arthritis; Meningitis; Nervous System; etc.
 residual lesions in healed tuberculous meningitis, 368
Tumors: See also Adenoma; Angioma; Astrocytoma; Cancer; Chordoma; Glioma; Lipoma; Melanoma; Meningioma; Teratoma; etc.; and under names of organs and regions, i. e., Brain, tumors; Cranium; Nasopharynx; Pineal Gland; Temporal Bone; etc.
 dermoid of spinal cord; report of case in which there was removal with improvement, *554
 vitamin A and tumor mitochondria, 817
Twins, apparent myopathic amyotrophy in 2 univitelline female twins, 1043
Typhoid, neurologic complications following administration of vaccines and serums, 176

Urea, calcium deposits in nerve cells of white rats after injections of urea and cholesterol, 394
Urinary Tract, relations between constitution and pressure of spinal fluid and function of circulatory and uropoietic organs in old age, 1262
Urination, incontinence; enuresis and other factors in normal and in psychotic persons; comparative study of incidence and intercorrelations, *699
 vesical abnormalities associated with parkinsonian syndrome, *44

Vasomotor System: See also Arteries
 sympathetic ganglionic responses in man, 1031
 vasomotor reactions and heat regulations in catatonic stupors, 579
Veins, Pressure in: See Blood pressure
Venom, Therapy: See under Parkinsonism
Ventriculography: See Brain, roentgenography
Vertebrae: See Spine
Vertigo, aural, 1266
 aural; clinical observations on effects of choline compounds in neurologic disorders with reference to Ménière's syndrome, 383
 aural; Ménière's disease; study based on examination made before and after intracranial division of vestibular nerve, 832
 syndrome of labyrinthine glaucoma, 393
 vestibulocerebral pathways, 364
Vestibular Apparatus: See Ear, internal; Equilibrium; Nerves, vestibular

Vision: See also Blindness; Eyes, accommodation and refraction
 alterations in visual function in cases of lesion of left occipital lobe, 394
 chiasmal syndromes produced by lesions in posterior fossa, 843
 mechanism of; cerebral function in discrimination of brightness when detail vision is controlled, 1027
Vitamins: See also Rickets
 A and tumor mitochondria, 817
 B; effect of vitamin B₁ on peripheral neuritis of pellagra, 836
 B; intraspinal (subarachnoid) injection of vitamin B₁ for relief from intractable pain and for inflammatory and degenerative diseases of central nervous system, 833
 B; metabolism of pyruvic acid in vitamin B₁ deficiency and in inanition, 1028
 B; therapeutic use of vitamin B₁ in polyneuritis and cardiovascular conditions; clinical indications, 835
 C and progressive muscular dystrophy, 841
 C; cevitamic acid content of blood plasma in alcoholic psychoses, *58
 chronic progressive deafness from nutritional standpoint, 391
 deficiency as etiologic factor in central neuritis, 173
 deficiency syndromes associated with chronic alcoholism, 175
 Vomiting, clinical features and treatment of functional or nervous vomiting; report of 140 cases, 168
von Storch, T. J. C.: Encephalographic findings in cases of athetosis and related disorders, *18
Voris, H. C.: Hodgkin's disease of spine with paraplegia complicated by pregnancy, 399

Walker, William K., 814
Water, effect of complete and partial hypophysectomy in adult albino rats on water, chloride, sodium, potassium and sulfur metabolism, 178
 effect of growth on distribution of water and electrolytes in brain, liver and muscle, 818
 physicochemical properties of brain, especially in senile dementia and cerebral edema; differential ratio of skull capacity to volume, specific weight, water content, water-binding capacity and pH of brain, *877
Watts, J. W.: Obsessive ruminative tendencies following interruption of frontal association pathways, 202
Weather, relation of neuritis and climate, 1261
Wechsler, I. S.: Ephedrine in treatment of petit mal convulsive seizures of autonomic origin, 213
 Mechanism of after-contraction; further studies, *300
Well's Disease: See Jaundice, spirochetal
Westphal-Edinger Nucleus: See under Brain
Wigton, R. S.: Influence of chemical agents on properties of nerve tissue; functional properties of human nerves and their dependence on chemical environment, 615
Wilson's Disease: See Lenticular Nucleus, degeneration
Wolff, H. G.: Studies in diseases of muscle; effect of ketosis and of ingestion of creatine in myotonia congenita, *1135
 Studies in diseases of muscle; metabolism of creatine and creatinine in muscular wasting subsequent to disease of nervous system, *663
 Studies in diseases of muscle; metabolism of creatine and creatinine in myotonia congenita, myotonia atrophica, amyotonia congenita, dystonia musculorum deformans and paralysis agitans, *680
Wry-Neck: See Torticollis

Yaskin, J. C.: Spinal epidural lesions; report of 3 cases, 1058
Young, B. R.: Myelographic demonstration with air of herniations of nucleus pulposus or cartilaginous disk, 610

